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ANNUAL REPORT

OF THE

DEPARTMENT OF HIGHWAYS

OF THE

PROVINCE OF ALBERTA

1967 - 68

PUBLISHED BY
ORDER OF THE LEGISLATIVE ASSEMBLY

1968
PRINTED BY LEE S. WALL, PRINTER TO THE QUEEN'S MOST EXCELLENT MAJESTY
EDMONTON, ALBERTA

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EDMONTON, October 4th, 1968

To His Honour,
J. W. GRANT MacEWAN,
Lieutenant Governor of the Province of Alberta.

Sir:

The undersigned has the honour to submit herewith the Report of the Department of Highways for the year ended March 31st, 1968.

Respectfully submitted,

GORDON E. TAYLOR,
Department of Highways.

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

REPORT OF THE DEPUTY MINISTER OF HIGHWAYS

For the Fiscal Year Ended March 31st, 1968

Hon. Gordon E. Taylor,
Minister of Highways.

Sir:

I have the honour to submit herewith a report covering the activities of the Department of Highways during the fiscal year 1967-68.

A total of 6,755.18 miles consisting of primary highways, access roads, etc., were generally maintained at a total cost of $9,135,183.20, the average cost per mile being $1,352.32.

The operations of the ferries at Vinca and Eldorena were discontinued during the year and the services of the same were replaced by the installation of a bridge south of Redwater, thus reducing the total of ferries now operating in the Province from the previous year to eighteen.

An agreement was again entered into with the Federal Government to participate in the Winter Works Incentive Programme and several projects were undertaken by various branches of this Department.

Highway No. 11 (David Thompson) was completed to the gravelled surface stage and was opened to traffic through to the Banff-Jasper Highway. The highway to Fort McMurray was also completed to the gravelled stage with the construction of the southern link from Amesbury to Highway No. 46. The access road to the Grand Cache coalfields area from the trunk road at Muskeg Cabins was 60% completed as at March 31st, 1968. Roads to Provincial Parks projects were continued during the year covering connections to five Provincial Parks. The new Five Year Street Assistance Programme for towns and villages in Alberta was instituted this year and of thirty-seven communities which took advantage of the grants available, twenty-eight completed their programmes.

Under the programme for construction of major bridges, five were completed and opened for traffic during the year. The Peace River Bridge at Peace River town is scheduled for completion by July, 1968.

A substantial increase in the registration of motor vehicles in the Province was noted over the previous year's registrations.

A separate detailed report of the above activities of the branches of the Department are contained herein.

Respectfully submitted,

L. H. McMANUS,
Deputy Minister of Highways

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

STATEMENT OF LEGISLATIVE AND EXECUTIVE APPROPRIATIONS, EXPENDITURES, AND UNEXPENDED BALANCES
For the Year Ended March 31, 1968

No. of Appr'n	Service	APPROPRIATIONS					
		Legislative	Executive	Total	Expended	Unexpended	Over-expended
		INCOME ACCOUNT					
1501.	Minister's Office	$ 22,600.00	$ ———	$ 22,600.00	$ 21,546.02	$ 1,053.98	$ ———
1502.	General Administration	372,000.00	———	372,000.00	362,478.40	9,521.60	———
1510.	Roads Branch Maintenance—Administration	667,680.00	———	667,680.00	603,785,16	63,894.84	———
1511.	Ferries, Maintenance and Operation	250,000.00	———	250,000.00	282,729.80	———	32,729.80
1512.	Main and Secondary Highways and Access Roads, Maintenance	7,500,000.00	2,000,000.00	9,500,000.00	9,495,369.72	4,630.28	———
1513.	District Highways and Local Roads, Grants to Improvement Districts	5,250,000.00	1,375,000.00	6,625,000.00	6,291,964.28	333,035.72	———
1514.	District Highways and Local Roads, Grants to Special Areas	250,000.00	———	250,000.00	250,000.00	———	———
1515.	District Highways and Local Roads, Grants to Municipal Districts and Counties	5,100,000.00	———	5,100,000.00	5,064,759.09	35,240.91	———
1516.	District Highways and Local Roads, Special Contingencies	3,000,000.00	———	3,000,000.00	2,968,464.50	31,535.50	———
1518.	District Highways and Local Roads, Natural Resources Roads	500,000.00	———	500,000.00	478,468.37	21,531.63	———
1519.	Grants to Towns and Villages for the Improvements of Streets and Roads	1,000,000.00	———	1,000,000.00	796,029.99	203,970.01	———
1530.	Bridges, Maintenance and Replacement, Salaries	513,650.00	———	513,650.00	499,602.59	14,047.41	———
1531.	Bridges. Maintenance and Replacement, Primary Highways	350,000.00	———	350,000.00	211,131.67	138,868.33	———
1532.	Bridges, Maintenance and Replacement, Municipal District, Improvement District and County Bridges	2,200,000.00	100,000.00	2,300,000.00	2,400,301.73	———	100,301.73
1533.	Bridges, Municipal District Improvement Districts and Counties, Bridge Approaches	300,000.00	120,000.00	420,000.00	463,127.66	———	43,127.66
1541.	Approach Roads	700,000.00	———	700,000.00	641,821.35	58,178.65	———
1543.	Roads to Provincial Parks	1,000,000.00	———	1,000,000.00	999,993.33	6.67	———
1550.	Motor Vehicle Branch	2,768,370.00	———	2,768,370.00	2,665,791.64	102,578.36	———
1551.	Grants to Municipalities for Structures and Roads	9,000,000.00	———	9,000,000.00	9,000,000.00	———	———
1552.	Highway Repair Shop	127,080.00	———	127,080.00	117,776.61	9,303.39	———
Special Warrants 2 & 60/66-67 (Winter Works Incentive Program)		———	———	———	———	———	———
Special Warrants 1 & 36/67-68 (Winter Works Incentive Program)		———	1,300,000.00	1,300,000.00	1,140,065.05	159,934.95	———
TOTAL: Income Account		$40,871,380.00	$ 4,895,000.00	$45,766,380.00	$44,755,206.96	$ 1,011,173.04 (Net)	———
		CAPITAL ACCOUNT					
1581.	Surveys and Compensation for Lands	$ 1,165,430.00	$ ———	$ 1,165,430.00	$ 1,192,724.67	$ ———	$ 27,294.67
1583.	Bridges, Construction	7,000,000,00	845,000.00	7,845,000.00	7,313,595.31	531,404.69	———
1584.	Main Highways Construction	40,000,000.00	815,000.00	40,815,000.00	40,802,059.68	12,940.32	———
1585.	Planning Branch	715,790.00	———	715,790.00	696,716.60	19,073.40	———
1588.	Wayside Campsites	50,000.00	———	50,000.00	37,992.12	12,007.88	———
TOTAL: Capital Account		$48,931,220.00	$ 1,660,000.00	$50,591,220.00	$50,043,088.38	$ 548,131.62 (Net)	

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

MAINTENANCE BRANCH

MAINTENANCE OF PRIMARY HIGHWAYS, ACCESS ROADS TO TOWNS AND VILLAGES, DISTRICT HIGHWAYS AND LOCAL ROADS, COUNTIES, LOCAL IMPROVEMENT AND MUNICIPAL DISTRICTS.

FERRIES OPERATION, MAINTENANCE, REPLACEMENTS AND INSTALLATIONS.

WAYSIDE CAMP SITES.

WINTER WORKS INCENTIVE PROGRAMME.

NORTHERN ALBERTA DEVELOPMENT COUNCIL PROGRAMME.

E. BELSHEIM,
Chief Maintenance Engineer

The functions of the Maintenance Branch were carried out under the supervision of eleven District Engineers and nine Assistant District Engineers. These functions included the maintenance of the primary highway system, the construction and maintenance of district roads in Improvement Districts, Counties and Municipalities where assistance is given by grants, the construction, maintenance and operation of ferries and the maintenance of Wayside Campsites.

Weather conditions during the construction season of 1967-68 were generally excellent and no difficulty was experienced in completing all the work contemplated within the limits of the funds available. A total of 1,278,395 cubic yards of gravel were placed on highways and roads throughout the Province by the Maintenance Branch.

Considerable difficulty was experienced in the spring of 1968 in the southern part of the Province due to three consecutive heavy snowstorms in late April and early May. These storms resulted in from 5 to 6 feet of snow cover over the portion of the Province south of a line from High River to Empress. Many highways and district roads were blocked for over 36 hours. Additional snow plowing equipment was brought in from central and northern areas of the Province to assist with road clearing operations. As very little frost remained in the ground prior to these snowfalls, excessive damage was caused to highways in the area by heavy snow-clearing equipment. A considerable amount of pavement repair work was necessary which increased the maintenance costs for highways in the Lethbridge and Medicine Hat districts higher than expected.

An agreement was completed with the Federal Government to carry out a Winter Works Incentive Programme to provide winter employment for seasonal employees. Work under this programme commenced November 1, 1967 and terminated March 31, 1968. A total of 28,654 man-days employment was provided by this programme. Approved labour costs for work undertaken under this programme were paid 50% by the Federal Government, 25% by Department of Municipal Affairs and 25% by the Department of Highways under Special Warrants. In designated areas the Federal Government contributed 60%, Department of Municipal Affairs 25% and Department of Highways 15%.

Work was undertaken by the Department of Highways for the Northern Alberta Development Council for the construction of roads to new areas opened for settlement in the Peace River and Grande Prairie areas. Details of work undertaken for the Northern Alberta Development Council are as follows:

Roads graded	175.5 miles
Roads gravel surfaced	139.5 "

Detailed information covering expenditures for the fiscal year 1967-68 is contained in the following statements as submitted with this report;

(1) Statement showing mileage and expenditure on maintenance of primary highways and access roads to towns and villages:

	Gravel	**Asphalt**	**Concrete**	**Total**
Primary highways — miles	2,041.00	4,564.75	1.25	6,607.00
Access roads — miles	75.72	72.46	—	148.18
	2,116.72	4,637.21	1.25	6,755.18

Regravelling of primary highways, maintenance, snow removal, ice control, centreline striping, pavement messages at railway crossings, school zones, intersections and other locations, the erection of traffic safety, control, directional and informational signs on highways and access roads to towns and villages and the maintenance of wayside campsites adjacent to highways were carried out. Following are the details of expenditures:

General maintenance	6,755.18 miles		$ 5,739,563.10
Snow removal	6,755.18 "		722,312.73
Ice control	6,755.18 "		1,630,617.69
Regravelling	704.50 "		574,298.94
Centreline Striping:			
Yellow shoulder lines	6,675.00 "	$188,973.94	
Yellow shoulder diagonal stripes and medians		7,191.09	
White directional dividing lines	4,513.00 "	119,373.27	
White lane lines	801.00 "	14,785.22	
White messages and pavement hazard markings		32,653.23	362,976.75
Erection and maintenance of highway and access road signing			465,600.51
			$ 9,495,369.72

(2) Statement showing the distribution of expenditures from Income Account on the construction and maintenance of district highways and local roads in Improvement Districts, Counties, Municipal Districts and Special Areas, as follows:

Local Improvement Districts—General	$ 4,520,501.46	
—Special Projects	1,771,462.82	$ 6,291,964.28
Counties and Municipal Districts		5,064,759.09
Special areas		250,000.00
Special contingencies		2,968,464.50
Natural resource roads		478,468.37
		$ 15,053,656.24

Details of work accomplished as follows:

Miles of road graded	2,178.25 miles
" " gravelled	6,028.00 "
" " asphalt surfaced	52.40 "

(3) Statement showing expenditures by the operation and maintenance of ferries from Income Account. There were 20 ferries operated by the Department of Highways during the 1967 season. Two ferries were replaced with a bridge south of Redwater leaving only 18 ferries in operation at the end of the season.

Statement of ferry expenditure as follows:

Operation and maintenance of ferries detailed above (Appropriation 1511)	$ 282,729.80

(4) Statement showing expenditures incurred under the Winter Works Incentive Programme as follows:

Work performed under Special Warrants at March 31st, 1968 under agreement with the Federal Government	$ 1,140,065.05

(5) Total expenditure as follows:

Highway and access roads maintenance	$ 9,495,369.72
Grants to Improvement Districts, Counties, Municipal Districts, Special Areas and Special Projects	15,053,656.24
Ferries construction, operation and maintenance	282,729.80
Winter Works Incentive Programme	1,140,065.05
Total Expenditure	$ 25,971,820.81

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

HIGHWAY MAINTENANCE

EXPENDITURE ON MAINTENANCE OF PRIMARY HIGHWAYS AND ACCESS ROADS

For the Year Ended March 31, 1968

Hwy. No.	Location	Miles	Amount
1A	Walsh — Bassano	125	$ 93,625.27
3A	Medicine Hat — Grassy Lake	49	56,443.35
36B	Bow River — Red Deer River	49	32,697.24
41A	Jct. Hwy 1 — Red Deer River	77	60,947.33
41A1	Jct. Hwy 41 — Medicine Hat	5	1,119.20
48A	Irvine — Wildhorse	71	46,582.05
61A	Skiff — Manyberries	57	28,779.16
2A	Carway — Nanton	104	90,319.61
3B	Grassy Lake — Crowsnest	148	246,420.96
4A	Lethbridge — Coutts	63	71,168.70
5A	Lethbridge — Waterton Park Gates	71	132,917.99
6A	Pincher — Waterton Park Gates	30	38,931.09
23A	Monarch — Carmangay	25	14,530.02
25A	Lethbridge — West of Enchant	50	39,304.45
36A	Chin Coulee — Bow River	47	27,708.23
40A	Cardston — Immigrant Gap	15	23,251.08
52A	Welling — Craddock	15	9,673.90
61B	Stirling — Skiff	34	35,244.06
62A	Magrath — Del Bonita	32	20,965.81
1B	Bassano — Banff Park Gates	142	254,953.64
1B1	Chestermere — West of Jct. Hwy. 1	69	69,440.85
1X	Seebe Connection 1 and 1A	3	5,611.24
2B	Nanton — Didsbury Corner	76	120,605.45
2B1	Hwy. 2A — Dewinton — South Okotoks, Nanton	32	33,142.86
2B2	Hwy. 2A — Mile 33.11 — Didsbury Corner	14	16,401.70
7A	Okotoks — Longview	24	32,264.19
9A	Inverlake — Drumheller	67	69,555.75
9B	Drumheller — Alsask	134	52,577.98
10A	Drumheller — Wayne — East Coulee	17	22,909.10
21A	Jct. Hwy. 1 — Twining	43	38,640.62
22A	Midnapore — Black Diamond	30	53,245.53
23B	Carmangay — High River	60	39,095.18
24A	Vulcan Corner — Cheadle	44	41,321.24
26A	Jct. Hwy. 9 — Jct. Hwy. 21 — Beiseker	33	31,561.40
36C	North of Red Deer River — Garden Plains	68	94,938.84
41B	Red Deer River — New Brigden	40	9,688.56
13A	Hayter — Bittern Lake	144	134,875.60
14A	Jct. Hwy. 17 — West of Lindbrook	133	137,189.78
15B	Mundare — Highway 16	2	1,568.47
16A	Lloydminster — Chipman Corner	119	131,355.24
*17A	Lloydminster — South and North	74	83,141.85
21C	Bashaw — 2 miles South of New Sarepta	53	34,541.22
36D	Battle River — Saskatchewan River	100	164,703.61
41C	Neutral Hills — Saskatchewan River	100	106,623.73
45A	1 Mile East of Whitford — Jct. Hwy. 17	105	105,704.25
2C	Didsbury Corner — Hobbema — West Interchange Hwy 2	92	216,006.31
2C1	Didsbury — Hobbema — Hwy 2A	97	52,293.94
11A	Red Deer — Banff Park Bdry.	158	161,883.84
12A	Compeer — Nevis	142	82,647.68
12B	Nevis — Alsike Corner	92	88,700.41
19B	Westerose — Norbuck	23	12,265.37
20A	Bentley — Sylvan Lake	10	18,494.08
21B	Twining — Bashaw	74	29,162.60

Hwy. No.	Location	Miles	Amount
27A	Sundre — Jct. Hwy. 21	61	$ 39,196.01
36C	Garden Plains — Battle River	38	14,930.62
42A	Penhold — Lousana	27	8,982.21
50A	Tees — Mirror	9	5,503.59
51A	Bentley — Gilby	19	13,965.50
53A	Rimbey — Jct. Hwy. 21	55	22,467.52
54A	Innisfail — East of Ricinus	44	56,290.27
56A	Stettler — Morrin	47	18,966.34
28B1	Ashmont — Rife and Jct. Hwy. 28	29	27,326.15
28C	West of Waskatenau — Cold Lake	150	174,609.06
36E	Duvernay — St. Brides	20	11,131.92
36E	Vilna — Lac La Biche	46	142,410.24
41D	North Saskatchewan River — Jct. Hwy. 28	8	9,630.60
46B	Lac La Biche — Spruce Valley	33	88,536.17
40.63	McMurray Road — North of Wandering River — North	156	175,287.08
16C	Jct. Hwy. 30 — Jasper Park Bdry.	158	350,409.01
16C2	Jct. Hwy. 16 — Entwistle — Styal	8	8,307.26
31	Hwy. 16 — Seba Beach	2	4,965.22
32A	Hwy. 16 — McLeod River	11	21,887.31
33A	Jct. Hwy. 43 — Alberta Beach	6	2,636.77
43A	Carvel Corner — Two Creeks	109	244,666.81
47	Bickerdike — Leyland	58	76,796.93
47A	Coalspur — Foothills	12	20,633.04
57A	Entwistle — Buck Lake Creek	38	53,549.70
2E	5 miles North of Legal — Joussard	197	499,243.62
18A	Clyde — Swan Hills	93	174,760.77
28B	5 miles West of Redwater — Waskatenau	16	24,192.70
44A	Westlock — Hondo	67	94,300.35
46A	Spruce Valley Corner — Jct. Hwy. 28	62	106,335.82
2G	Dunvegan — B.C. Boundary	109	189,416.87
34A	Little Smoky River — Jct. Hwy. 2	94	125,021.38
43B	Valleyview — Two Creeks	77	128,171.70
49B	Watino — B.C. Boundary	98	99,247.67
59A	Sexsmith — West Jct. Hwy. 2	39	47,707.03
2F	Joussard — Dunvegan	172	360,986.89
2F1	Donnelly — Triangle	31	39,466.47
2F2	Grimshaw — East Jct. Hwy. 2	7	6,217.64
35A	Grimshaw — North Provincial Bdry.	292	441,990.76
49A	Donnelly — Watino	22	16,502.52
58A	High Level — Wood Buffalo Park	55	95,866.26
58A-1	Jct. Hwy. 58 — Ft. Vermilion	12	15,605.52
ND1	Fairview — B.C. Boundary	36	11,516.57
2D	Edmonton — Hobbema — West Interchange	44	190,706.77
2D	Hwy. 2 — Edmonton — North of Legal	30	132,475.88
2D-1	Hwy. 2A — South of Leduc — Hobbema	30	38,035.03
12C	Norbuck — Alsike	13	14,920.47
13B	Wetaskiwin — Bittern Lake	13	23,570.69
14B	Edmonton — 2 miles West of Lindbrook	27	93,552.48
15B	Edmonton — Jct. Hwy. 16	53	76,629.93
16B1	Refineries — Clover Bar	8	26,346.38
16B	Hwy. 16 — East of Edmonton — Chipman Corner	30	83,712.58
16B	Hwy. 16 West — Edmonton — Jct. Hwy. 30	34	138,868.44
19A	Wetaskiwin — Westerose	28	36,944.45
21D	Jct. Hwy. 14 — 2 Miles South of New Sarepta	15	28,457.97
28A	Edmonton — 5 Miles West of Redwater	38	106,964.80
28A-1	Namao — Jct. Hwy. 28	5	39.22
29A	Jct. Hwy. 16 — Edmonton Beach	4	3,621.08
30A	Jct. Hwy. 16 — Kapasiwin Beach	3	7,001.48
37A	Namao — Gibbons	13	34,374.71
39A	Leduc — Alsike	41	60,117.02
45B	Jct. Hwy. 15 — 1 Mile East of Whitford	38	46,838.65
55A	Bremner — Fort Saskatchewan	10	11,581.87
57B	Alsike — Buck Lake Creek	13	16,791.51
60A	Jct. Hwy. 16 — Devon	13	21,014.18
		6,607	$ 8,879,943.07

ACCESS ROADS:

Hwy. No.			Location	Miles	Amount
43:72	Jct. Hwy.	1	— Tilley	2.65	$ 158.29
43:97	" "	36	— Rainier	3.93	1,108.34
43:106	" "	36	— Duchess	1.39	855.87
43:109	" "	1	— Brooks	1.32	187.55
43:110	" "	36	— Scandia	1.20	587.98
43:139	" "	41	— Empress	6.25	1,425.17
43:47	" "	2	— Carstairs	3.03	444.13
43:52	" "	1	— Gleichen	1.28	2,486.70
43:53	" "	1	— Cluny	1.52	302.82
43:64	" "	23	— Vulcan	.11	78.84
43:69	" "	9	— Hanna	.45	162.68
43:75	" "	1A	— Spy Hill Gaol	2.58	42.13
43:102	" "	26	— Acme	.26	33.36
43:118	" "	23	— Blackie	2.03	537.38
43:121	" "	9	— Delia	1.01	43.79
43:122	" "	9	— Craigmyle	1.39	36.62
43:133	" "	21	— Rockyford	5.13	1,682.44
43:48	" "	14	— Edgerton	6.03	20,787.60
43:51	" "	13	— Hardisty	.53	213.22
43:56	" "	45	— Dewberry	.96	441.03
43:57	" "	45	— Clandonald	1.77	278.40
43:58	" "	45	— Hazeldine	1.54	288.62
43:59	" "	16	— Islay	3.43	50.00
43:60	" "	13	— Sedgewick	.43	59.78
43:63	" "	41	— Rusylvia	1.00	1,629.24
43:66	" "	13	— Provost	.37	42.20
43:86	" "	13	— Hughenden	.33	355.86
43:87	" "	13	— Metiskow	1.84	1,453.05
43:91	" "	21	— Ferintosh	1.06	160.05
43:108	" "	13	— Cadogan	6.55	4,330.00
43:135	" "	36	— Alliance	1.81	1,182.08
43:137	" "	36	— Galahad	4.55	2,264.56
43:46	" "	2	— Didsbury	4.24	1,364.80
43:50	" "	11	— Eckville	2.79	3,814.11
43:54	" "	21	— Three Hills	1.03	148.71
43:55	" "	56	— Big Valley	.96	68.12
43:65	" "	12	— Coronation	.17	8.49
43:70	" "	21	— Trochu	.51	47.11
43:71	" "	21	— Huxley	.33	143.25
43:89	" "	21	— Elnora	2.03	326.84
43:90	" "	21	— Lousana	2.27	307.25
43:111	" "	12	— Clive	.51	8.49
43:113	" "	56	— Morrin	2.46	510.88
43:114	" "	54	— Dickson	2.01	55.10
43:130	" "	11	— Leslieville	4.73	4,099.95
43:74	" "	28	— Waskatenau	.30	19.31
43:96	" "	28	— Bonnyville Beach	2.17	888.72
43:104	" "	28	— Warspite	.52	24.23
43:116	" "	28	— Vilna	.12	7.37
43:140	" "	28A	— Glendon	4.54	1,440.50
43:143	" "	28A	— Mallaig	2.02	849.98
43:67	" "	43	— Sangudo	.28	86.06
43:68	" "	43	— Rochfort Bridge	.31	81.31
43:84	" "	43	— Onoway	1.03	172.05
43:85	" "	43	— Mayerthorpe	.45	134.03
43:115	" "	16	— Evansburg	.63	1,969.14
43:62	" "	28	— Redwater	1.07	242.21
43:73	" "	44	— Pibroch	.88	1,379.63
43:79	" "	2	— Vimy	.80	2,031.49
43:80	" "	44	— Dapp	3.64	1,265.08
43:81	" "	44	— Jarvie	1.00	709.41
43:82	" "	44	— Flatbush	2.01	176.75
43:83	" "	44	— Fawcett	.31	35.20
43:98	" "	18	— Barrhead	2.16	365.02

Hwy. No.	Location	Miles	Amount
43:100	Jct. Hwy. 2 — Colinton	3.31	$ 4,413.67
43:103	" " 2 — Clyde	.52	164.29
43:107	" " 18 — Fort Assiniboine	.50	23.50
43:117	" " 46 — Newbrook	.49	36.29
43:126	" " 2 — Rochester	2.30	657.73
43:142	" " 46 — Thorhild	4.05	582.99
43:92	" " 49 — Eaglesham	4.02	2,992.03
43:93	" " 2 — Woking	2.80	1,186.27
43:94	" " 2 — Sexsmith	.35	62.98
43:101	" " 2 — Wembley	1.02	116.99
43:105	" " 2 — Saskatoon Mtn.	2.02	1,764.16
43:112	" " 49 — Tangent	5.17	2,550.29
43:119	" " 49 — Falher	.76	407.11
43:127	" " 49 — Girouxville	2.01	600.22
43:136	" " 2A — Donnelly	.15	373.79
43:78	" " 2 — Legal	1.76	214.73
43:131	" " 39 — Thorsby	.32	336.56
43:132	" " 39 — Warburg	.62	468.19
		6,755.18	$83,442.16

GRANTS:

40:00-E23	City of Medicine Hat	$ 3,150.00	
40:00-E28	" " Red Deer	1,965.00	
40:00-E37	" " Camrose	1,015.00	
40:00-E42	" " Drumheller	1,405.00	
40:00-E43	" " Wetaskiwin	710.00	
40:00-E47	" " Lethbridge	5,000.00	
40:00-E71	" " Edmonton	24,475.00	
40:00-E72	" " Calgary	26,930.00	
40:00-E90	" " Grande Prairie	1,340.00	
40:00-E149	" " Lloydminster	1,010.00	67,000.00
General		83,474.84	
Equipment		8,014.55	
Crusher Camp D11		6,999.27	
" " D12		6,309.31	
Campsites		360,186.52	464,984.49
		Appropriation 1512	$ 9,495,369.72

*Maintained by the Province of Saskatchewan
50% of cost borne by Province of Alberta

Appropriation 1510

Roads Maintenance Branch Administration	$ 603,785.16

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

EXPENDITURE ON CONSTRUCTION AND MAINTENANCE OF DISTRICT HIGHWAYS AND LOCAL ROADS

For the Year Ended March 31, 1968

GRANTS TO IMPROVEMENT DISTRICTS

I.D. Number		Total
	General	$ 1,425.48
D 1	General	7,722.26
"	Equipment	416.67
D 2	General	2,929.16
"	Equipment	786.42
D 4	General	1,538.93
"	Equipment	228.55
D 6	General	658.66
"	Equipment	1,882.14
D 7	General	7,480.44
"	Equipment	549.55
D 8	General	1,106.00
"	Equipment	18.01
D 9	General	675.74
"	Equipment	561.48
D11	General	12,757.17
"	Equipment	7,556.52
D12	General	3,937.08
"	Equipment	644.18
I.D.	10	15,613.37
"	11	316,122.54
"	22	28,857.07
"	27	63,396.75
"	42	59,264.19
"	46	18,664.03
"	50	7,534.11
"	58	41,550.52
"	65	312,907.94
"	68	37,223.72
"	69	440.23
"	77	53,376.72
"	78	314,539.12
"	79	1,992.13
"	85	2,364.71
"	95	217,391.07
"	96	210,680.53
"	101	185,379.19
"	102	267,900.14
"	107	89,049.21
"	108	80,974.41
"	109	118,606.36
"	110	30,206.06

I.D. Number			Total
I.D.	111		$ 27,287.42
"	121		40.40
"	122		18,388.02
"	123		39,981.95
"	124		133,988.38
"	125		129,949.81
"	126		170,175.74
"	128		65,530.21
"	129		55,308.91
"	131		155,005.99
"	132		228,053.52
"	134		243,138.66
"	138		237,886.12
"	139		174,905.17
"	143		5,393.07
"	145		3,281.68
"	146		3,489.70
"	147		68,839.46
"	149		54.00
Indian Reserves			
District	2	$10,897.36	
"	4	23,489.56	
"	6	7,307.70	
"	7	12,723.31	
"	8	35.94	
"	9	21,123.44	
"	11	4,760.38	
"	13	28,584.30	108,921.99
East Prairie Metis Colony	4	$78,119.47	
Kikino Metis Colony	7	10,574.60	
Fishing Lake Elizabeth Metis Colony	10	35,278.63	123,972.70
		Appropriation 1513	$ 4,520,501.46

Grants to Special Areas
Appropriation 1514 $ 250,000.00

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

EXPENDITURE FOR SPECIAL PROJECTS

For the Year Ended March 31, 1968

ROADS:

File	Location	Amount	
5005	Swan Hills — Deer Mountain I.D. 123	$ 404,933.38	
4296C	Jct. N.D. 3 — Smoky River I.D. 96	93,476.71	
4296C	Mason Creek — Grande Cache I.D. 96	1,211,942.50	$ 1,710,352.59

BRIDGES:

District	I.D.	File	Amount	
11	110	76530	$ 9,797.40	
"	"	76531	10,091.07	
"	"	76736	2,752.32	
"	"	76747	2,109.24	
"	"	76748	1,887.70	
"	"	76749	7,262.80	
"	"	76750	12,465.60	
"	"	76751	14,744.10	61,110.23
			Appropriation 1513	$ 1,771,462.82

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

EXPENDITURE ON CONSTRUCTION AND MAINTENANCE OF DISTRICT HIGHWAYS AND LOCAL ROADS

For the Year Ended March 31, 1968

GRANTS TO MUNICIPAL DISTRICTS AND COUNTIES

M.D.		Total
*General		$ 1,810.61
M.D.	6	81,551.47
"	9	69,877.66
"	14	133,021.99
"	26	159,608.15
"	31	116,330.58
"	34	23,523.05
"	44	138,151.65
"	47	79,645.63
"	48	112,740.75
"	52	108,387.50
"	61	123,644.76
"	62	126,824.06
"	82	97,035.66
"	84	64,405.78
"	87	70,659.26
"	90	228,539.67
"	92	99,981.08
"	130	71,880.30
"	133	28,237.60
"	135	29,626.15
"	136	36,978.88

County		Total
County	1	$ 139,077.02
"	2	168,630.08
"	3	102,435.11
"	4	141,288.45
"	5	132,298.16
"	6	121,226.64
"	7	84,793.49
"	8	150,307.19
"	9	110,012.60
"	10	97,309.28
"	11	76,159.13
"	12	114,847.92
"	13	73,827.29
"	14	95,851.74
"	16	131,714.31
"	17	144,122.14
"	18	93,404.84
"	19	109,049.07
"	20	69,719.42
"	21	102,771.77
"	22	126,680.49
"	23	109,516.29
"	24	150,662.05
"	25	111,357.56
"	26	95,701.19
"	27	100,285.83
"	28	109,247.79
Appropriation	1515	$ 5,064,759.09

*Expenditure shown as general is incurred by engineering parties.

SPECIAL CONTINGENCIES

I.D., M.D., County	Total	I.D., M.D., County	Total
M.D. 6	$ 44,472.72	County 1	$ 86,646.82
" 9	46,274.45	" 2	71,469.28
" 14	55,272.75	" 3	51,928.88
" 26	75,000.00	" 4	75,026.95
" 31	79,266.57	" 5	49,475.28
" 34	12,845.76	" 6	51,034.13
" 44	45,652.92	" 7	50,012.73
" 47	71,586.42	" 8	49,721.82
" 48	75,007.60	" 9	52,187.65
" 52	46,192.20	" 10	50,004.54
I.D. 58	17,869.55	" 11	47,159.55
M.D. 61	49,295.25	" 12	152,865.52
" 62	44,286.34	" 13	45,557.55
" 82	41,268.01	" 14	75,445.36
" 84	55,946.37	" 16	51,934.83
I.D. 85	14,995.38	" 17	47,896.55
M.D. 87	88,868.13	" 18	47,530.45
" 90	50,045.84	" 19	148,066.48
" 92	58,162.44	" 21	63,503.91
I.D. 101	19,874.11	" 22	50,502.41
" 125	64,213.42	" 23	58,104.78
M.D. 130	50,430.19	" 24	50,978.61
I.D. 132	13,800.58	" 25	46,030.40
M.D. 133	14,965.71	" 26	41,483.21
I.D. 134	20,586.49	" 27	44,991.01
M.D. 135	45,867.46	" 28	84,094.59
" 136	7,437.93	D.I. Special Area 2	39,560.51
I.D. 138	19,375.16	Indian Reserve—D2—B.I.R.	23,668.54
" 139	32,722.41		
		Appropriation 1516	$ 2,968,464.50

NATURAL RESOURCES ROADS

I.D., M.D.	Total	County	Total
M.D. 9	$ 10,000.00	County 3	$ 10,169.69
" 31	10,000.00	" 6	10,000.00
" 44	16,000.00	" 7	15,000.00
" 47	9,000.00	" 9	10,000.00
" 48	10,005.70	" 10	10,031.95
" 52	9,000.00	" 11	10,000.00
" 61	10,000.00	" 12	10,000.00
" 62	10,000.00	" 14	10,000.00
" 84	10,000.00	" 16	20,000.00
" 90	124,040.27	" 17	20,000.00
" 92	15,000.00	" 18	10,000.00
I.D. 95	10,902.01	" 19	3,766.90
" 111	9,887.14	" 22	10,000.00
" 125	10,213.29	" 23	10,297.24
		" 24	10,000.00
		" 25	10,000.00
		" 27	10,000.00
		" 28	25,154.18
		Appropriation 1518	$478,468.37

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

EXPENDITURE ON GRANTS TO TOWNS AND VILLAGES FOR IMPROVEMENT OF STREETS AND ROADS

For the Year Ended March 31, 1968

Alix	$ 16,920.00
Bentley	16,920.00
Blackfalds	17,678.00
Bonnyville	35,664.00
Burdett	11,748.00
Caroline	5,301.96
Carstairs	17,592.00
Castor	22,344.00
Consort	15,804.00
Coutts	14,376.00
Donnelly	5,555.95
Edberg	11,148.00
Evansburg	8,037.63
Fort Assiniboine	10,612.91
Fort Saskatchewan	57,372.00
Grande Centre	31,980.00
Killam	19,200.00
Lacombe	43,100.92
Lomond	1,234.66
Manning	$ 23,412.00
Mundare	15,876.00
Nanton	21,648.00
New Norway	12,108.10
Olds	23,617.92
Oyen	19,320.00
Redcliff	18,231.57
Rosemary	10,145.87
Seba Beach	10,464.00
St. Paul	52,092.00
Swan Hills	28,558.93
Taber	62,880.00
Val Quentin	3,000.00
Vauxhall	20,304.00
Vermilion	41,078.85
Westlock	9,310.72
Whitecourt	38,544.00
Two Hills	22,848.00
Appropriation 1519	$796,029.99

SUMMARY

Income Account:

Appropriation	1513	— Grants to Improvement Districts	$ 4,520,501.46
"	1513	— Special Projects	1,771,462.82
"	1514	— Grants to Special Areas	250,000.00
"	1515	— Grants to Municipal Districts	5,064,759.09
"	1516	— Special Contingencies	2,968,464.50
"	1518	— Natural Resources Roads	478,468.37
"	1519	— Grants to Towns and Villages for Improvement of Streets and Roads	796,029.99
			$15,849,686.23

EXPENDITURE FOR WAYSIDE CAMPSITES

For the Year Ended March 31, 1968

Job	District	File	Description	Amount	District Amount
T875Q	2	3198 - 38	Lethbridge	$ 3,385.63	$ 3,385.63
T889S	6	3198 - 189	Old Timers' Picnic Grounds—Red Deer	18,956.13	18,956.13
T896A	8	3198 - 112	Iosegun Creek	2,337.54	2,337.54
T900V	9	3198 - 268	Mitsui Lake	13,312.82	13,312.82
				Appropriation 1588	$37,992.12

DEPARTMENT OF HIGHWAYS
GOVERNMENT OF THE PROVINCE OF ALBERTA

EXPENDITURE FOR NORTHERN DEVELOPMENT

For the Year Ended March 31, 1968

HIGHWAYS:

		Amount	
I.D. 102		$ 81,981.63	
" 111		58,794.55	
" 125		30,331.29	
" 126		230,496.77	
" 134		217,690.95	
" 138		161,728.59	
" 139		95,409.88	
" 146		17,914.24	
" 147		160.541.02	$ 1,054,888.92
Project N.D. 1	East of Montagneuse River—South of Worsley	$ 19,354.26	
" "	Gage—Hines Creek	3,053.10	
" "	Southwest of Worsley—West of Clear River	28,593.05	
" "	Southwest of Worsley—West of Clear River (I.D. 139)	36,996.39	
" "	Southwest of Worsley—East of Clear River	331,787.11	
" "	East of Clear River—West of Clear River	18,308.80	
" N.D. 2	High Level—Chinchaga River	18,253.83	
" "	High Level—Chinchaga River (I.D. 147)	5,677.88	
" "	High Level—Chinchaga River (I.D. 149)	68,402.39	
" "	High Level—West of 6th Meridian	1,154,047.65	
" "	Town of Rainbow	240,503.31	
* " "	Chinchaga River—Comet Air Strip	172,337.84	
" N.D. 3	Athabasca River—Jarvis Lake	499,546.57	
" "	Jarvis Lake—Wildhay River	27,525.64	2,624,387.82

*Expenditure on Winter Works Incentive Programme—Job T995W in the amount of $144,492.66 included.

BRIDGE BRANCH:

I.D. 96	$ 8,886.27	
* " 102	36,918.74	
" 139	4,276.17	
" 147	517.14	
* " 149 (Part)	449,141.23	499,739.55

*Winter Works Incentive Programme $485,461.35 (Jobs T996J and T996M)

PLANNING BRANCH:

Entrance—Muskeg Cabins	$ 20,793.18	20,793.18
	Appropriation 1591	$ 4,199,809.47

SUMMARY:

Maintenance Branch	$ 1,054,888.92
Construction Branch	2,624,387.82
Bridge Branch	499,739.55
Planning Branch	20,793.18
	$ 4,199,809.47

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

WINTER WORKS INCENTIVE PROGRAMME

Expenditure for the Year Ended March 31, 1968

I.D., M.D., County	**Amount**
I.D. 11	$ 53,868.34
" 22	8,130.42
" 27	5,586.43
M.D. 44	31,449.61
I.D. 58	34,916.87
" 65	127,156.83
" 68	5,103.57
" 77	18,763.73
" 78	55,954.67
" 85	9,970.14
" 95	44,360.48
" 101	8,416.33
" 102	181,409.99
" 107	41,939.96
" 108	21,350.67
I.D. 109	$ 53,464.79
" 110	6,277.08
" 111	15,773.84
" 124	70,228.45
" 125	49,875.49
" 126	57,266.52
" 128	14,086.22
" 129	16,052.40
" 131	22,589.84
" 132	19,440.14
" 134	52,836.44
" 138	37,833.83
" 139	31,383.57
" 146	6,752.20
" 147	24,643.93
County 16	7,755.53
" 28	5,426.74
Appropriation 1555	$ 1,140,065.05

BRIDGE BRANCH:

I.D., M.D., County	**Amount**
M.D. 6	$ 486.58
" 9	19,171.50
I.D. 11	6,427.17
M.D. 26	4,822.73
" 31	28,047.91
" 44	12,869.84
" 48	6,096.02
I.D. 69	6,400.49
" 78	1,801.46
" 79	2,915.93
M.D. 82	9,762.53
" 90	22,324.29
I.D. 95	7,694.70
" 101	330.44
" 102	19,320.37
" 109	79.87
" 124	4,573.11
" 125	13,960.84
" 126	3,970.22
M.D. 133	18,075.20
I.D. 138	11,822.54
I.D. 139	$ 16,661.16
" 147	7,598.92
County 1	1,939.96
" 3	4,344.55
" 4	7,663.65
" 5	9.271.44
" 9	23,259.16
" 10	4,793.93
" 11	7,079.81
" 12	201.62
" 13	6,441.82
" 14	13,679.43
" 17	862.10
" 21	20,240.23
" 22	12.58
" 24	16,770.34
" 25	38,120.66
" 27	12,939.86
" 28	13,559.03
S.A. 2	3,514.13
" 3	6,675.64
Appropriation 1532 (part)	$416,583.76

Appropriation 1583 (Part):

M.D.	6	$103,041.29	I.D.	111	$ 26,841.12
"	9	24,130.29	"	124	48,506.62
I.D.	22	194,880.34	"	125	1,210.40
M.D.	26	60,641.84	"	126	1,072.10
I.D.	42	2,695.89	"	139	41,444.95
M.D.	82	3,829.72	County	3	12,245.73
"	90	26,879.28	"	13	1,007.65
"	92	10,512.07	"	17	39,844.98
I.D.	96	28.60	"	23	3,563.75
"	109	1,537.92			
			Appropriation 1583 (part)		$603,914.54

Appropriation 1591 (Part):

Construction Branch:

T995W	Chinchaga River—Comet Air Strip (I.D. 149)	$144,492.66

Bridge Branch:

T996J	D12—I.D. 149	File 76425	$448,542.61	
T996M	D 7—I.D. 102	File 76396	36,918.74	485,461.35
				$629,954.01

SUMMARY OF WINTER WORKS INCENTIVE PROGRAMME

Appropriation	1532 (part)	$ 416,583.76
"	1555	1,140,065.05
"	1583 (part)	603,914.54
"	1591 (part)	629,954.01
		$ 2,790,517.36

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

EXPENDITURE ON INSTALLATION, REPAIRS AND OPERATION OF FERRIES

For the Year Ended March 31, 1968

File Number	Location	River	Administration	Installation	Repairs	Operations	Total
2500	General—Head Office Supervision		$ 291.84	$	$ 102.79	$	$ 394.63
2542	Bow Island	South Saskatchewan			13,247.75	9,448.11	22,695.86
2549	Steveville	Red Deer			1,854.08	8,364.75	10,218.83
2563	Finnegan	" "			3,102.57	4,892.34	7,994.91
2589	North of Jenner	" "			1,074.47	4,517.00	5,591.47
2773	South of Rolling Hills	Bow		441.22	814.01	8,436.20	9,691.43
2508	Dorothy	Red Deer			842.25	4,059.41	4,901.66
2760	South of Crowfoot	Bow		142.88	3,738.32	6,626.89	10,508.09
*2518	North of Lloydminster	North Saskatchewan				8,187.61	8,187.61
2560	West of Munson	Red Deer		324.05	1,698.45	8,569.83	10,592.33
2526	Hopkins	North Saskatchewan			416.24	4,616.04	5,032.28
2543	North of Myrnam	" "			560.23	8,479.84	9,040.07
2777	Blue Ridge	Athabasca		280.23	5,273.29	8,650.88	14,204.40
2790	Rosevear	McLeod			10,749.75	7,890.90	18,640.65
2750	Klondyke Crossing	Athabasca			983.82	4,909.02	5,892.84
2755	South of Wembley	Wapiti			3,266.99	31,568.05	34,835.04
2741	La Crete	Peace		5.90	4,621.03	29,019.93	33,646.86
2797	Fort Vermilion	"		46.53	1,765.14	25,983.80	27,795.47
2561	Berrymoor	North Saskatchewan			1,835.74	8,455.82	10,291.56
2513	Pakan	" "			3,376.01	10,597.62	13,973.63
2535	Eldorena	" "			1,182.84	6,624.45	7,807.29
2581	Vinca Crossing	" "			1,581.65	9,130.15	10,711.80
	Ferry Equipment				80.09	1.00	81.09
			$ 291.84	$ 1,240.81	$ 62,167.51	$219,029.64	$282,729.80

*Maintained by the Province of Saskatchewan
50% of cost borne by Province of Alberta

Income Account — Appropriation 1511 $282,729.80

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

CONSTRUCTION BRANCH

(R. H. Cronkhite, Chief Construction Engineer)

At the end of the 1967 fiscal year, the mileage of Provincial Primary Highways and Access Roads was as follows:

PRIMARY HIGHWAYS .... 6,624.59 Miles

SUMMARY

Pavement Surfaces:			
Concrete Surface, two lanes	1.22 Miles		
" " four lanes undivided	0.90 "		
Asphalt Surface, two lanes	4,353.81 "		
" " four lanes undivided	75.61 "		
" " " " divided	258.49 "		
Combined Asphalt and Concrete Surface, four lanes divided	4.27 "		
" " undivided	0.29 "	4,694.59 Miles	
Other Surfaces:			
Gravel Surface, two lanes		1,930.00 Miles	
			6,624.59 Miles

ACCESS ROADS .... 150.77 Miles

SUMMARY

Asphalt Surface, two lanes	82.18 Miles
Gravel Surface, two lanes	68.59 "
	150.77 Miles

INTERCHANGES CONSTRUCTED TO DATE .... 49 Units

During the 1967-68 construction season, 280.46 miles of subgrade construction, 48.88 miles of subgrade widening and 360.08 miles of gravel surfacing were completed.

In addition, 157.38 miles of stabilized gravel base course, 101.71 miles of soil-cement stabilized base course, 15.90 miles of cement stabilized gravel base course and 7.03 miles of soil asphalt stabilized base course were completed. Asphaltic plant mix surface course paving was completed on 304.56 miles and asphaltic seal coat surfacing on 353.78 miles.

Interchange construction has extended to 49 units and the program for improving major intersections saw the completion of 32 units providing acceleration and deceleration lanes.

Out of a total of 156 major projects under construction this season, 992 shifts totalling 9,920 hours were lost due to wet weather conditions. Much of this time was lost during the month of October, however, for the most part this was a fine construction season with only 5% of the grading, 3% of the base course, and 2% of the asphaltic surface course remaining uncompleted at the end of the 1967 calendar year. Several projects carried over had 1968 completion dates.

Major freeway construction was advanced this year. Grading and stabilized gravel base course on the freeway from west of Cochrane Interchange to the Stony Indian Reserve was completed and opened to traffic. Asphaltic plant mix surface course was commenced near the season's end.

Grading, interchange construction and stabilized gravel base course was advanced on a 7.33 mile freeway section from east of the Bow River to Banff Park Boundary. This project included construction of Highway No. 1A in the Canmore area and a network of supporting service roads. At the end of the season approximately 99% of the grading and 6% of the base course was completed. The total project completion was set for the fall of 1968.

Major construction of the freeway between the Salisbury Interchange and Edmonton (Whyte Avenue) was commenced. This project included interchange, railway and road separations and is a completely controlled access facility on new alignment. This will, when completed, replace the existing Highway No. 14 through the area, with the old highway section continuing to service the business industries and residences along its route. The completion of the freeway project was scheduled for the fall of 1968. By the end of the 1967 construction season 58% of the grading was completed.

The freeway project at Lethbridge on Highway No. 3 was completed this year with the application of asphaltic plant mix surface course and the total construction of the section east of the Oldman River connecting to the City system.

Major expressway construction was advanced on Highway No. 16 east of Edmonton. A major interchange at the Junction of Highways No. 16 and 55 was completed and opened to traffic. This project included the re-positioning and construction of a section of C.N.R. line with associated separation structures. The divided expressway was extended easterly to a point east of the entrance to Elk Island Park, completing one contract started in 1966 and 99% of the grading and 90% of the base course in the second contract. Completion of the most easterly contract was set for July of 1968. Progress was exceptional on these projects.

Construction was started on the expressway portion of Highway No. 2 from Edmonton to south of Ellerslie. While grading was virtually completed the cement stabilized base course work awarded in late fall was prevented because of adverse weather conditions. This project provides a six-lane divided facility. Detailed engineering surveys for the section of Highway No. 2 south from Ellerslie to south of Nisku were advanced to provide for future six-lane freeway facilities and right-of way acquisition was initiated.

Continued progress was made in the construction of major arterial two-lane highways throughout the Province.

Construction was extended on Highway No. 2 from south of Legal to south of Vimy, completing a project 10.55 miles in length, including grading and soil-cement base course. Asphaltic plant mix surfacing was completed on 14.83 miles from St. Albert to south of Legal in our stage construction program.

Major grading construction was advanced on the east Highway No. 2 approach to Peace River with a contract covering 4.54 miles. This project traversed very severe topography and construction was necessary through numerous unstable areas which could not be by-passed. A major interchange, separation of the Grouard Trail and a railspur overpass were included in the project. Severe instability at two points along the valley approach prevented completion of the grading work.

Highway No. 11 (David Thompson) was completed to the gravelled surface stage and was opened through to the Banff-Jasper Highway to traffic. Construction this year covered 11.06 miles from Windy Point to south of Cline River.

The section of Highway No. 16 from west of Kitscoty to Lloydminster was completed with soil-cement base course.

Two major projects were advanced on Highway No. 3. A project from west of Cowley to west of Lundbreck was completed on new alignment and opened to traffic. The section from west of Barnwell to east of Taber, which included grading and stabilized gravel base course, was approximately 80% completed.

The development of Highway No. 63 to Fort McMurray was completed to the gravelled stage this year with the construction of the southern link from Amesbury to Highway No. 46.

Construction under the Northern Development Program continued. A grading contract was completed from south of Worsley to east of the Clear River, a distance of 10.41 miles (Project N.D. 1). A second major grading project was awarded by contract on the road being developed to the Rainbow Lake area west of High Level covering a distance of 34.11miles and scheduled for completion in July of 1968. On this project at the end of the fiscal year, the grading was approximately 76% complete and the major portion of this work was done during the winter months. In order to extend this work, a clearing contract was advanced and completed from the Chinchaga River to the Comet Airstrip area, this being included in the Winter Works Incentive Program. This construction was severely impeded during the season due to extremely bad weather. The third Northern Development project, north of Highway 16 at Entrance towards Muskeg, was advanced and 7.60 miles were completed by late Fall.

Access from the trunk road north-west of Entrance to the Grande Cache coalfields area was advanced with the award of a contract for 13.92 miles in the Fall and the work was continued throughout the winter months. By March 31st, 60% of the project was completed.

The Roads to Provincial Parks program was continued with the completion of grading and gravelling on 22.32 miles, soil asphalt base course on 7.03 miles and stabilized gravel base course on 2.00 miles. This covered connections to five Provincial Parks.

Winter work undertaken by the Department involved crushing to stockpile for seven projects, for primary highways. There were also three pit-run stockpiling projects by day labor. Truck registration and rotation was continued with the winter stockpiling of gravel with 862 trucks being registered, a decrease of some 153 trucks over the previous year. The amount of earnings per truck owner was set at $1,200.00. This work being for primary highways did not come under the Winter Works Incentive Program.

In our erosion control and right-of-way improvement program, approximately 12,000 acres of highway right-of-way including sideslopes, ditches and medians were seeded and fertilized during the year. The procedure whereby soil is temporarily stabilized by using an emulsion until the grass cover is established was introduced with considerable success.

In our safety and highway marking program, approximately 180,000 lineal feet of guard rail and approximately 22,000 road edge delineators were installed. A new "tied down" end section design and installation procedure was introduced which should virtually remove the hazard of end "spearing" accidents for these new installations.

Major control signing projects included those associated with the Highway 3 freeway at Lethbridge, the major interchange east of High River at the junction of Highways 2 and 23 and the major interchange near Bremner at the junctions of Highways 16 and 55.

In our dust control program, the calcium chloride solution treatment was applied to a total of 169.85 miles of selected highways in the province. A special dissolver was used to produce the solution on projects outside the economical transportation range of the Duvernay Plant, source of the calcium chloride material. Projects close to this plant were treated using a material ready mixed in the concentrated liquid form.

The new Five Year Street Assistance Program for Alberta towns and villages was started this year and 37 of these communities took advantage of the grants available. Of these, 28 completed their projects. The work done included grading and gravelling, paving, asphaltic surface treatments, sidewalks, curbs and gutters, minor bridges, and storm sewer installations.

Our gravel exploration work was continued and 3 mobile crews located a total of 5,080,000 cubic yards of gravel and 4,321,000 cubic yards of sand for future construction programs. A total of 150 deposits were tested for quantity and quality.

Continuing investigation into transverse cracking of asphalt pavements advanced. The application of newly developed asphalt specifications, based on our research, has yielded favourable results and the follow-up observations firmly support the major change introduced in the specifications. The observations and investigation of the test section employing asphalt produced from 3 different crude sources strongly supports the decision made in specifications and we are optimistic that crack reduction will follow with the use of the improved specification on the whole system.

Design and construction quality control testing was carried out in the Construction Branch Testing Laboratory and 97 mobile field testing laboratories. Tests were conducted on sands, asphalts, gravels, paints, etc. Approximately 50,000 laboratory and some 40,000 field tests were conducted on construction projects throughout the province. A nuclear road logger which utilizes a radiation source was used for a five month investigation period. This unit produced a continuous record of moisture and density on grading and base course projects for construction control. The unit was utilized primarily in the Edmonton area.

Preliminary soil and foundation testing was carried out on some 47 bridge and culvert sites. These projects involved the use of drilling rigs and precise sampling procedures.

The major project tested was the Peace River approach road from the east. Soil and foundation investigation data were used in formulating the design of the roadway which traversed numerous old slides. Special filter and perforated pipe drainage systems were installed in critical areas. Construction commenced on critical fill sections before freeze up to obtain benefits of increased strength due to normal consolidation of the fills.

The pavement evaluation program was continued and data were acquired additionally for road ban and load carrying designation purposes. A program was set up for condition rating of older pavements for the purpose of establishing structural priorities for the upgrading of these pavements for protection and to provide for the heavier loading.

Research and procedural development was carried out with respect to in-place stabilization of sand with an emulsified asphalt binder. Approximately 7 miles of base pavement was constructed on the Crimson Lake Park road using the in-place stabilization method. Initial evaluation indicates favourable results and economy.

During the year, detailed engineering field surveys were completed on 33 projects involving 207 miles. In addition, four major interchanges and related access control systems were surveyed. Detailed design was completed on 33 projects involving 86 miles and 3 major interchanges. This is advance work for future construction.

Three installations of grade crossing protection were made based on previous approvals, one each on crossings of the three railway companies in the province, the C.N.R., C.P.R. and N.A.R. Applications were advanced to the Canadian Transport Commission (Railway Transport Committee) for the installation of protection at 3 additional crossings in 1967. All of these were approved.

Our Staff In-Training Program again included a four week intensive training course for Highway Instrumentmen during March. Twenty-seven Fieldmen took the course involving the four operating Branches of the Department. The training course for Materials Testing Technicians was conducted in the Main Testing Laboratory and involved initial and retraining of a large number of the Inspectors used in our field and laboratory work. In this regard, some 125 Inspectors were employed during the peak construction period.

The Construction Branch also played a very important role in the establishment and conducting of an Equipment Operators Training School near Edmonton in which 32 operators were trained and received certificates.

One Engineer from Indonesia was attached to this Branch for approximately 2 months under the Colombo Plan for training and instruction.

Following is a statement of the work performed during the year ended March 31, 1968:

HIGHWAY CONSTRUCTION

GRADING — PRIMARY HIGHWAYS

Job No.	Highway	Location	Miles	Type of Work	Width in Feet	Work Done By
T776A	A1-B-1	Intersection Highway No. 1 and 43:109 (Brooks)	.61	Subgrade Widening	Variable	D.O.H.
T775J	A1-B-3/2A	" " No. 1 and 9	.42	" "	"	"
T757L	A1-C-1/3	W. of Cochrane Int.—Stony Indian Reserve	1.20	Subgrade Construction (2 Add'l Lanes)	51	Contract
T775K	A1-C-2/3	E. of Bow River—Banff Park Boundary	7.33	" " (Add'l Lanes)	56	"
"	1A-C-2	At Canmore	.76	" "	Variable	"
	"	"	2.71	" Widening	"	"
"	"	Service Road	4.57	" Construction	"	"
"	"	Interchange No. 95 (W. of Canmore)	.99	" "	"	"
"	"	" No. 96 (E. of Canmore)	.76	" "	"	"
"	"	" No. 131 (Harvey Heights Access)	.69	" "	"	"
T773M	2-B-2 & 3	High River Interchange (Hwy. 2 & 23) (Thru Hwy. 2)	1.49	" "	"	"
"	"	Thru Highway 23	.70	" "	"	"
"	"	Loops and Connections	1.45	" "	"	"
T775R	2-D-3	S. of Ellerslie—Edmonton	2.32	" " (to 6 lane div.)	"	D.O.H.
T775M	2-E-1 & 2	S. of Legal—S. of Vimy	10.55	" Widening	45	Contract
T775Z	2-E-3	Intersection Improv.—Hwy. 2 & 43:100 (Colinton)	.13	" "	Variable	"
T776E	2-G-1	W. of Kinuso—W. of Faust	8.63	" Construction	42	D.O.H.
T777D	2-G-1	E. of Joussard—W. of Joussard	2.62	" "	42	"
T767W	2-G-1 & 2	W. of Joussard—W. of Enilda	.70	" "	42	Contract
T776N	2-G-4	E. of Peace River—Peace River Bridge	4.54	" "	58	"
"	"	Interchange No. 119 (Loops and Connections)	.89	" "	Variable	"
"	"	Service Road	.62	" "	"	"
"	"	Grouard Trail Connections	1.35	" "	"	"
T763U	3-A-2 & 3	W. of Barnwell—E. of Taber	9.11	" Widening	"	"
T773Q	3-B-1	Lethbridge—Oldman River	.80	" Construction (4 lane div.)	60	D.O.H.
"	"	Interchange No. 130 (Loops and Connections)	.48	" "	Variable	"
"	"	Indian Battle Park Road (Thru Interchange)	.34	" "	"	"
"	"	Interchange No. 130 Directional—Jct. 5th Ave. N. Connections	.60	" "	"	"
"	"	5th Ave. N. Thru Interchange	.14	" "	"	"
T773Q	3-B-1	Jct. Hwy. 3 and 5th Ave. N.—Oldman River		Supplying and Installing Storm Sewer	—	Contract
T768M	3-B-3	W. of Cowley—W. of Lundbreck Falls	2.50	Subgrade Construction	52	"
T776T	5-A-1	N. of Welling—S. of Magrath	7.00	Subgrade Widening	50	"
T775E	9-A-2	Intersection Jct. Hwy. 9 and 21 (E. of Beiseker)	.45	" "	Variable	"
T774A	11-C-1 & 2	Windy Point—S. of Cline River	11.06	Subgrade Construction	50	"
T774C	12-A	E. of Monitor—E. of Kirriemuir	12.69	" "	42	"
T774D	12-D-2	Nugent—S. of Winfield	13.00	" "	42	"
T765H	14-C-3	Edmonton—W. of Salisbury Interchange	2.03	" " (4 lane div.)	Variable	"
"	"	Interchange No. 92 —Jct. 34th St. (Connections)	.38	" "	"	"
"	"	" " (17th St. over Hwy. 14)	.08	" "	"	"
"	"	Interchange No. 93—Jct. 50th St. (Connections)	.20	" "	"	"
"	"	Argyll Road Thru Int. 94	.49	" "	"	"
T768Q	16-A-1	W. of Kitscoty—Lloydminster	.50	Subgrade Widening	60	"
T771X	16-B-2	E. of Jct. Hwy. 55—W. of Elk Island Park	1.00	" " (Add'l 2 lanes)	56	"
T774X	16-B-2	W. of Elk Island Park—E. of Elk Island Park	9.52	" " (" ")	56	"
T752U	16-B-2	W. of Bremner Underpass—E. of Jct. Hwy. No. 55	.90	" " (" ")	Variable	"
"	"	Interchange No. 61—N. of Bremner	1.34	Subgrade Construction	"	"

GRADING — PRIMARY HIGHWAYS (Continued)

Job No.	Highway	Location	Miles	Type of Work	Width in Feet	Work Done By
T752U	16-B-2	Hwy. 55—Thru Interchange No. 61	.50	Subgrade Construction	Variable	Contract
"	"	C.N. Railway Relocation	2.28	" "	—	"
T769G	16-C-2	Magnolia Underpass—Entwistle	1.75	" "	52	"
"	"	" " "	3.57	Subgrade Widening	52	"
T775L	16-C-2	Intersection Improvement Hwys. 16 and 30 (Kapasiwin)	.67	" "	Variable	"
T768X	17-A-1	N. of Blackfoot Creek—N. of Battle River	3.86	Subgrade Construction	"	"
T765G	17-B	Lloydminster—Jct. Hwy. 45	12.65	" "	"	" (Gov't of Sask.)
T774Z	21-B-1	Intersection Improvement Hwy. 21 and 50 (Mirror)	.39	Subgrade Widening	"	"
T774P	26-A	Beiseker—Acme	8.92	Subgrade Construction	32	"
T763F	28-A-1	Edmonton—Namao	.26	" "	50	"
T745R	28-A-1	Intersection Impr. Jct. Hwy. 28 and Dist. Road (Int. 188—3 Mls. W. of Bon Accord)	.25	Subgrade Widening	Variable	D.O.H.
"	"	Intersection Impr.—Hwys. 28A and 37	.14	" "	"	"
"	"	Intersection Impr. Int. 222 (8 Mls. N. of Gibbons)	.23	" "	"	"
T776L	28-B-1	Intersection Impr.—Jct. Hwy. 28 and 43:74	.18	" "	"	Contract
T769H	31-A	Seba Beach Overpass Approach Fills at C.N.R.	.38	Subgrade Construction	"	D.O.H.
T774B	36-A-2	Killam—E. of Galahad	19.31	" "	42	Contract
T774B	36-A-1	Iron Creek Crossing (N. of Killam)	.19	" "	42	"
T771Q	37-A	Jct. Hwy. 15—Gibbons	10.22	" "	42	"
T773G	41-A-1	E. of Weeks Lake—Vermilion	9.00	" "	42	Contract
T774W	41-C-2	S. of Acadia Valley—S. of Red Deer River	16.56	" "	42	"
T777K	41-C-4	Grade Reconstruction near Hilda	.51	" "	42	D.O.H.
T773V	45-A-2	W. of Hairy Hill—Two Hills	4.56	" "	36	Contract
T774T	46-A	Intersection Improvement Hwy. 46 & 43:117 (Newbrook)	.23	Subgrade Widening	Variable	"
T774G	46-B	W. of Grassland—E. of Atmore	9.84	Subgrade Construction	42	"
T768L	47	Jct. Hwy. 16—N. of Erith	2.27	" "	36	"
"	"	Temporary Connection	.16	" "	Variable	"
T776M	48-A-2	Intersection Improvement Hwy. 48 and 1 (Irvine)	.32	Subgrade Widening	"	"
T777C	53-A	Ponoka C.P.R. Approach Fills (Overpass)	.28	Subgrade Construction	"	D.O.H.
T774F	63-A-1, (50:04-A-1)	Jct. Hwy. 46—S. of Amesbury	15.67	" "	42	Contract
		TOTAL	255.79.Miles			

Subgrade Construction	206.91 Miles		By Contract	237.04 Miles
" Widening	48.88 "		By D.O.H.	18.75 "
TOTAL	255.79 Miles		TOTAL	255.79 Miles

GRADING — ACCESS ROADS

Job No.	Highway	Location	Miles	Type of Work	Width in Feet	Work Done By
T553E	43:78	Jct. Hwy. 2—Legal	.24	Subgrade Construction	24	Contract

GRADING — PARK ROADS

Job No.	Highway	Location	Miles	Type of Work	Width in Feet	Work Done By
T601B	P.R. 104	Jct. Hwy. 46—Long Lake	6.56	Subgrade Construction	32	D.O.H.
T601J	P.R. 109	Jct. Hwy. 21—Miquelon Lake Park	10.69	" "	36	Contract
"	"	Jct. P.R. 109—Miquelon Lake	1.03	" "	32	"
"	"	Connecting Road	.54	" "	28	"
T601C	P.R. 110	Jct. Hwy. 23—Little Bow Park	3.50	" "	32	"
		TOTAL	22.32 Miles			

By Contract	15.76 Miles
By D.O.H.	6.56 "
TOTAL	22.32 Miles

GRADING — NORTHERN DEVELOPMENT ROADS

Job No.	Highway	Location	Miles	Type of Work	Width in Feet	Work Done By
T995P	N.D. 1	S. of Worsley—W. of Clear River	—	Clearing	—	Contract
T995S	"	S.W. of Worsley—E. of Clear River	10.41	Subgrade Construction	36	"
T995L T995M	N.D. 2	High Level—Chinchaga River	—	Clearing	—	"
T995W	"	Chinchaga River—E. of Comet Airstrip	—	"	—	"
T995R	"	High Level—W. of 6th Meridian	15.00	Subgrade Construction	32	"
T995T	"	Town of Rainbow Lake (40:00E-414)	3.25	" "	—	Agreement
T995Q	N.D. 3	Athabasca River—Jarvis Lake	7.60	" "	32	D.O.H.
		TOTAL	36.26 Miles			

By Contract	28.66 Miles
By D.O.H.	7.60 "
TOTAL	36.26 Miles

GRADING — SPECIAL PROJECTS

Job No.	Highway	Location	Miles	Type of Work	Width in Feet	Work Done By
T611C	42.96C	W. of Mason Creek—Grande Cache	4.50	Subgrade Construction	32	Contract
T611A	50:05	N. of Swan Hills—W. of Deer Mountain	2.85	" "	32	"
		TOTAL	7.35 Miles			

GRADING — DISTRICT ROADS

Job No.	Highway	Location	Miles	Type of Work	Width in Feet	Work Done By
T463D	46:05	Vinca Bridge Approaches	4.18	Subgrade Construction	Variable	D.O.H.
T463T	46:06	W. of Bow Island—S. of Illingsworth	—	Drainage Installation	—	Contract
"	"	" " " —N. of South Sask. River	3.20	Subgrade Construction	Variable	"
		TOTAL	7.38 Miles			

By Contract	3.20 Miles
By D.O.H.	4.18 "
TOTAL	7.38 Miles

GRADING SUMMARY

	Primary Highways	Access Roads	Park Roads	Northern Development Roads	Special Projects	District Roads	Total
Subgrade Construction	206.91 Miles	.24 Miles	22.32 Miles	36.26 Miles	7.35 Miles	7.38 Miles	280.46 Miles
" Widening	48.88 "	—	—	—	—	—	48.88 "
TOTALS	255.79 Miles	.24 Miles	22.32 Miles	36.26 Miles	7.35 Miles	7.38 Miles	329.34 Miles
By Contract	237.04 Miles	.24 Miles	15.76 Miles	28.66 Miles	7.35 Miles	3.20 Miles	292.25 Miles
By D.O.H.	18.75 "	—	6.56 "	7.60 "	—	4.18 "	37.09 "
TOTALS	255.79 Miles	.24 Miles	22.32 Miles	36.26 Miles	7.35 Miles	7.38 Miles	329.34 Miles

FIRST COURSE GRAVEL SURFACING — PRIMARY HIGHWAYS

Job No.	Highway	Location	Miles	Work Done By
T776E	2-G-1	W. of Kinuso—W. of Faust	8.63	D.O.H.
T777D	"	E. of Joussard—W. of Joussard	2.62	"
T767W	" & 2	W. of " —W. of Enilda	4.84	Contract
T774C	12-A	E. of Monitor—E. of Kirriemuir	15.29	"
T774D	12-D-2	Nugent—S. of Winfield	13.00	"
T769X	17-A-1	N. of Blackfoot Creek—N. of Battle River	1.93	"
T765G	17-B	Lloydminster—Jct. Hwy. 45	12.65	" (Province of Saskatchewan)

FIRST COURSE GRAVEL SURFACING—PRIMARY HIGHWAYS (Continued)

Job No.	Highway	Location	Miles	Work Done By
T776P	22-A	Priddis Cor.—Turner Valley	16.27	D.O.H. (Maintenance) Gravel Replacement
T774P	26-A	Beiseker—Acme	8.92	Contract
T745R	28-A-1	Intersection Improv. (Jct. Hwy. 28 & Dist. Rd.—188)	.25	D.O.H.
"	"	" " (" " " " " —222)	.23	"
"	"	" " (" " 28A & 37)	.14	"
T769H	31 A	Seba Beach Overpass Approach Fills at C.N.R.	.38	"
T774B	36-A-1	Iron Creek Crossing (N. of Killam)	.19	Contract
"	36 A-2	Killam—E. of Galahad	19.31	"
T768F	36-E-1	Taber—Chin Coulee	3.50	"
T771Q	37-A	Jct. Hwy. 15—Gibbons	10.22	"
T773G	41-A-1	E. of Weeks Lake—Vermilion	4.40	"
T774W	41-C-2	S. of Acadia Valley—S. of Red Deer River	16.56	"
T774G	46-B	W. of Grassland—E. of Atmore	9.14	"
T768L	47	Jct. Hwy. 16—N. of Erith	5.27	"
"	"	Temporary Connection	.16	"
T774F	63-A-1, (50:04-A-1)	Jct. Hwy. 46—S. of Amesbury	11.03	"
"	"	" " "—" "	4.64	D.O.H.
T775D	63-A-1, 2 & B-1 & 2	S. of Amesbury—Ft. McMurray	140.61	" (Maintenance) Gravel Replacement
		TOTAL	311.18 Miles	

By Contract	137.41 Miles
By D.O.H.	173.77 "
TOTAL	311.18 Miles

FIRST COURSE GRAVEL SURFACING — PARK ROADS

Job No.	Highway	Location	Miles	Work Done By
T601B	P.R. 104	Jct. Hwy. 46—Long Lake Park	6.56	D.O.H.
T601J	P.R. 109	" " 21—Miquelon Lake Park	10.69	Contract
"	"	Jct. P.R. 109—Miquelon Lake	1.03	"
"	"	Connecting Road	.54	"
T601C	P.R. 110	Jct. Hwy. 23—Little Bow Park	3.50	"
		TOTAL	22.32 Miles	

By Contract	15.76 Miles
By D.O.H.	6.56 "
TOTAL	22.32 Miles

FIRST COURSE GRAVEL SURFACING — NORTHERN DEVELOPMENT ROADS

Job No.	Highway	Location	Miles	Work Done By
T995S	N.D. 1	S.W. of Worsley—E. of Clear River	10.41	Contract
T995Q	N.D. 3	Athabasca River—Jarvis Lake	5.99	D.O.H.
		TOTAL	16.40 Miles	

By Contract	10.41 Miles
By D.O.H.	5.99 "
TOTAL	16.40 Miles

FIRST COURSE GRAVEL SURFACING — SPECIAL PROJECTS

Job No.	Highway	Location	Miles	Work Done By
T611A	50:05	N. of Swan Hills—W. of Deer Mountain	4.50	Contract

FIRST COURSE GRAVEL SURFACING — DISTRICT ROADS

Job No.	Highway	Location	Miles	Work Done By
T463D	46:05	Vinca Bridge Approaches	4.18	D.O.H.
T463T	46:06	W. of Bow Island—N. of South Sask. River	1.50	Contract
		TOTAL	5.68 Miles	

By Contract	1.50 Miles
By D.O.H.	4.18 "
TOTAL	5.68 Miles

GRAVELLING SUMMARY

	Primary Highways	Park Roads	Northern Development Roads	Special Projects	District Roads	Totals
First Course Gravelling	154.30 Miles	22.32 Miles	16.40 Miles	4.50 Miles	5.68 Miles	203.20 Miles
Gravel Replacement	156.88 "	Nil	Nil	Nil	Nil	156.88 "
TOTALS	311.18 Miles	22.32 Miles	16.40 Miles	4.50 Miles	5.68 Miles	360.08 Miles
By Contract	137.41 Miles	15.76 Miles	10.41 Miles	4.50 Miles	1.50 Miles	169.58 Miles
By D.O.H.	173.77 "	6.56 "	5.99 "	Nil	4.18 "	190.50 "
TOTALS	311.18 Miles	22.32 Miles	16.40 Miles	4.50 Miles	5.68 Miles	360.08 Miles

STABILIZED BASE COURSE — PRIMARY HIGHWAYS

Job No.	Highway	Location	Miles	Type	Work Done By
T776A	A1-B-1	Intersection Improv. Hwys. 1 & 43:109 (Brooks)	.58	Asphalt Stabilized	D.O.H.
T775A	A1-B-3/2A	" " Hwys. 1 & 9 (Inverlake)	.42	" "	"
T757L	A1-C-1/3	W. of Cochrane Interchange—Stony Indian Reserve	4.10	" "	Contract
"	"	Interchange No. 132A (Scott Hill Lake)	.65	" "	"
"	"	District Road Connections	.53	" "	"
T775K	A1-C-2/3	E. of Bow River—Banff Park Boundary	.47	" "	"
T775C	2-A-2	S. of Belly River—N. of Waterton River	5.16	" "	D.O.H.
T773M	2-B-2 & 3	High River Interchange (Hwys. 2 & 23)	1.21	" "	Contract
"	"	Loops and Connections	1.45	" "	"
"	"	Hwy. 23 Thru Interchange	.70	" "	"
T775M	2-E-1 & 2	S. of Legal—S. of Vimy	10.55	Cement Stabilized & Top Lift Asphalt Bound	"
T775Z	2-E-3	N. of Perryvale—Athabasca	13.25	" " " "	"
T774K	2-F-3	S. of Hondo—N. of Athabasca River	1.99	Asphalt Stabilized	"
T763U	3-A-2 & 3	W. of Barnwell—E. of Taber	5.02	" "	"
T776S	3-B-1	Lethbridge—Oldman River	.80	" "	"
"	"	Interchange No. 130—Loops and Connections	.48	" "	"
"	"	Indian Battle Park Road Thru Interchange	.34	" "	"
"	"	Interchange No. 130—Jct. 5th Ave. N.—Connections	.60	" "	"
"	"	5th Ave. N. Thru Interchange	.14	" "	"
"	"	Interchange No. 127—W. of Oldman River (Loops and Connections)	.92	" "	"
T768M	3-B-3	W. of Cowley—W. of Lundbreck Falls	5.90	" "	"
T744P	3-B-4	E. of Island Lake—B.C. Boundary	.35	" "	D.O.H.
T768Q	16-A-1	W. of Kitscoty—Lloydminster	13.17	Cement Stabilized & Top Lift Asphalt Bound	Contract
T774X	16-B-2	W. of Elk Island Park—E. of Elk Island Park Ent.	8.27	Gravel Stabilized, Cement Stabilized and Top Lift Asphalt Bound	"
T771X	"	E. of Jct. Hwy. 55—W. of Elk Island Park	3.29	" " " "	"
T752U	"	W. of Bremner Underpass—E. of Jct. Hwy. 55	.90	" " " "	"
"	"	Interchange No. 61—Loops and Connections	1.34	" " " "	"
"	"	Hwy. No. 55 Thru Int. No. 61	.50	" " " "	"
T775L	16-C-2	Intersection Improv. Jct. Hwy. 16 & 30 (Int. 223)	.67	Asphalt Stabilized	"
T769G	"	Magnolia Underpass—Entwistle	5.32	" "	"
T776H	19-A-2	W. of Battle Lake—Jct. Hwy. 12	8.04	" "	"
T775E	21-C	W. of Rockyford—Jct. Hwy. No. 9	12.27	Cement Stabilized & Top Lift Asphalt Bound	"
T776X	22-A	Turner Valley—Black Diamond	1.02	Asphalt Stabilized	D.O.H.
T776U	"	S. of Midnapore—Priddis Corner	11.33	" "	"
T777E	25-A-1	Picture Butte—E. of Iron Springs	4.13	" "	"
T774Y	27-B	W. of Torrington—E. of Torrington	11.66	" "	Contract
T763F	28-A-1	Edmonton—Namao (4 lane)	1.35	Gravel Stabilized, Cement Stabilized and Top Lift Asphalt Bound	"
"	"	" " (2 lane)	.25	" " " "	"
T775B	28-B-3 & C-3	E. of St. Edouard—N. of Jct. Hwy. 41	7.12	Asphalt Stabilized	"
"	"	Inter. 80, Hwy. 41 & W. Connection	.94	" "	"

STABILIZED BASE COURSE — PRIMARY HIGHWAYS (Continued)

Job No.	Highway	Location	Miles	Type	Work Done By
T775B	28-B3 & C-3	East Connection	.43	Asphalt Stabilized	Contract
T776B	28A-B-3	S. of Therien—Rife	12.40	Cement Stabilized & Top Lift Asphalt Bound	"
T776L	28-B-1	Intersection Improvement Hwy. 28 & 43:74	.18	Asphalt Stabilized	"
T774S	35-A-1 & 2	S. of Dixonville—N. of Dixonville	12.15	" "	"
T774N	41-C-5	S. of Schuler—S. of Chappice Lake	14.83	Cement Stabilized & Top Lift Asphalt Bound	"
T774J	44-A-2	E. of Chisholm—S. of Hondo	10.91	Asphalt Stabilized	"
T776R	45-A-3	E. of Two Hills—E .of Morecambe	11.79	Cement Stabilized & Top Lift Asphalt Bound	"
T774T	46-A	E. of Newbrook—N. of Alpen	10.38	Asphalt Stabilized	"
T776M	48-A-2	Jct. Hwy. 1—Elkwater Prov. Park	21.60	" "	D.O.H.
T774Q	49-A-1	E. of Girouxville—Watino	14.58	" "	"
		TOTAL	256.43 Miles		

By Contract	197.26 Miles
By D.O.H.	59.17 "
TOTAL	256.43 Miles

Asphalt Stabilized	152.27 Miles
Cement " (Soil)	88.26 "
" " (Gravel)	15.90 "
TOTAL	256.43 Miles

STABILIZED BASE COURSE — ACCESS ROADS

Job No.	Highway	Location	Miles	Type	Work Done By
T554W	43:74	Jct. Hwy. 28 —Waskatenau	.30	Asphalt Stabilized	Contract
T553E	43:78	" " 2 —Legal	1.76	Cement Stabilized & Top Lift Asphalt Bound	"
T554S	43:83	" " 44 —Fawcett	.31	Asphalt Stabilized	"
T552K	43:117	" " 46 —Newbrook	.49	" "	"
T553N	43:127	" " 49 —Girouxville	2.01	" "	D.O.H.
T554B	43:133	" " 21 —Rockyford	5.13	Cement Stabilized & Top Lift Asphalt Bound	Contract
T554K	43:140	" " 28A —Glendon	4.54	" " " "	"
T554T	43:143	" " " —Mallaig	2.02	" " " "	"
		TOTAL	16.56 Miles		

By Contract	14.55 Miles
By D.O.H.	2.01 "
TOTAL	16.56 Miles

Asphalt Stabilized	3.11 Miles
Cement Stabilized (Soil)	13.45 "
TOTAL	16.56 Miles

STABILIZED BASE COURSE — PARK ROADS

Job No.	Highway	Location	Miles	Type	Work Done By
T601A	P.R. 102	Jct. Hwy. 11—Crimson Lake	7.03	Soil Asphalt	D.O.H.
T601L	P.R. 115	" " 48—Cypress Hills Prov. Park	.32	Asphalt Stabilized	"
"	"	" " — " " " " (2" only)	1.68	" "	"
		TOTAL	9.03 Miles		

By D.O.H. 9.03 Miles

Asphalt Stabilized	2.00 Miles
Soil Asphalt	7.03 "
TOTAL	9.03 Mile

ASPHALTIC SURFACING — PRIMARY HIGHWAYS

Job No.	Highway	Location	Miles	Type of Work		Work Done By
T775J	A1-B-3/2A	Jct. Hwy. 1 & 9 Intersection No. 159	.42	4" Plant Mix Surface Course		D.O.H.
T776W	"	" " 1 & 24 " Improv. (Cheadle Cor.)	.27	2" " " " "		"
T777H	A1-C-1/3	W. of Cochrane Int.—Stony Indian Reserve	1.99	2" " " " "	(E.B.L. 1st Lift Only)	Contract
T773M	2-B-2 & 3	High River Interchange (Jct. Hwy. 2 & 23)	1.20	6" " " " "		"
"	"	Hwy. 2 Thru Interchange	1.01	6" " " " "		"
"	"	" 23 " "	.70	6" " " " "		"
T771N	2-D-2/2 & 3/1	W. of Hobbema—S. of Pipestone Creek	5.14	2" " " " "	(N.B.L. 2nd Lift)	"
"	"	" " —" " "	1.58	2" " " " "	(" 3rd Lift)	"
"	"	" " —" " "	2.60	2" " " " "	(S.B.L. 2nd Lift)	"
T774L	2-E-1	St. Albert—S. of Legal	14.83	2" " " " "		"
"	"	Interchange No. 115 Connections—W. of Morinville	.89	2" " " " "		"
"	"	Grandin Ave. Thru Interchange	.86	2" " " " "		"
T774R	2-G-3	W. of Triangle—Jct. Hwy. 34	16.99	4" " " " "		"
T776S	3-B-1	E. of Coalhurst—Lethbridge	4.05	4-6" " " " "		"
"	"	Interchange No. 128 (Loops & Connections)	.65	4-6" " " " "		"
"	"	Highway No. 25 Thru Interchange	.90	4-6" " " " "		"
"	"	Interchange No. 129 (Hwy. 3 & 3A) West Bound Conn.	.58	4-6" " " " "		"
"	"	Interchange No. 129 (Hwy. 3 & 3A) East Bound Conn.	.54	4-6" " " " "		"
"	"	Interchange No. 127—Loops & Connections	.62	4-6" " " " "		"
"	"	" No. 130	1.56	4-6" " " " "		"
T776Y	7-A	W. of Okotoks—Black Diamond	8.53	2" " " " "		D.O.H.
"	"	Black Diamond—Longview	4.06	½-2½" " " "	(Levelling Course)	"
"	"	Thru Town of Longview	.47	½-2½" " " "	(" ")	"
T772Q	9-A-1	Jct. Hwy. 1—Beiseker	15.40	2" " " " "	(Second Lift)	"

ASPHALTIC SURFACING — PRIMARY HIGHWAYS (Continued)

Job No.	Highway	Location	Miles	Type of Work	Work Done By
T772Q	9-A-1	Jct. Hwy. 1—Beiseker	7.76	2" Plant Mix Surface Course (First Lift)	D.O.H.
"	"	" " "	4.60	4" " " " " (1st and 2nd Lift)	"
T773K	9-C-2	Oyen Cor.—Sask. Boundary	20.52	2½-6" " " " "	Contract
T774M	12-C-1	W. of Alix—Stettler	25.98	2" " " " "	"
T775P	13-B-4	Jct. Hwy. 21—Camrose	3.20	0-2" " " " " (Levelling Course)	D.O.H.
T776D	15-A-2	" " 16—W. of Mundare	1.94	2" " " " "	Contract
T776C	16-B-1	Chipman Cor.—E. "	15.68	2" " " " "	"
T775L	16-C-2	Intersection Hwy. 16 & 30 (N. of Kapasiwin)	.67	4" " " " "	"
"	"	E. of Seba Cor.—Magnolia Underpass	.92	4" " " " " (4-lane Div.)	"
"	"	" " " — " "	5.16	4" " " " "	"
"	"	Interchange No. 87—Hwy. 31 & 16 (Loops & Conn.)	.97	4" " " " "	"
"	"	Connection of Hwy. 31 & Dist. Rd. Thru Interchange	.36	4" " " " "	"
T774Z	21-B-1	Jct. Hwy. 12—Bashaw	6.74	2" " " " "	"
"	"	" " — "	10.44	3" " " " "	"
T776X	22-A	Turner Valley—Black Diamond	2.96	4-6" " " " "	D.O.H.
T776W	24-A	Jct. Hwy. 1—S. of Cheadle	2.29	2" " " " "	"
T776L	28-B-1	Intersection Treatment—Hwy. 28 & 43:74	.18	6" " " " "	Contract
T775A	28A-B-3 & 28-C-2	Rife—W. of Bonnyville	13.94	4" " " " "	"
T772H	39-A-2	N. of Thorsby—Alsike	3.00	3-4" " " " "	"
T773L	41-C-1	Jct. Hwy. 9—Oyen	2.19	2½" " " "	"
T774U	44-A-1	Westlock—N. of Fawcett	31.41	2-3" " " " "	"
T776K	46-A	S. of Abee—E. of Newbrook	2.00	4" " " " "	"
"	"	" " —" "	9.04	2" " " " " (First Lift)	"
T776J	49-A-2	S. of Belloy—S. of Eaglesham	13.65	4" " " " "	"
T772J	57-B	Alsike—W. of Alsike	1.59	2" " " " " (Second Lift)	"
"	"	" —" "	2.76	4" " " " "	"
T775F	"	Drayton Valley—W. of Alsike	21.68	4" " " " "	"
		TOTAL	297.47 Miles		

By Contract	247.51 Miles
By D.O.H.	49.96 "
TOTAL	297.47 Miles

ASPHALT SURFACING — ACCESS ROADS

Job No.	Highway	Location	Miles	Type of Work		Work Done By
T554W	43:74	Jct. Hwy. 28—Waskatenau	.30	4" Plant Mix Surface Course		Contract
T554S	43:83	" " 44—Fawcett	.31	4" " " " "		"
T553D	43:96	" " 28—Bonnyville Beach	2.17	4" " " " "		"
T554U	43:141	" " 9—Beiseker	.26	2" " " " "	(Second Lift)	D.O.H.
T554Q	43:142	" " 46—Thorhild	4.05	4" " " " "		Contract
		TOTAL	7.09 Miles			

By Contract	6.83 Miles
By D.O.H.	.26 "
TOTAL	7.09 Miles

SEAL COAT — PRIMARY HIGHWAYS

Job No.	Highway	Location	Miles	Type of Work		Work Done By
T775T	2-D-1/4	Jct. Hwy. 2A N. of Lacombe—N. of Morningside	3.05	½" Seal Coat	(4-lane Div.)	D.O.H.
"	"	& Interchanges	8.45	½" " "		"
"	"	N. of Morningside—N. of Hwy. 53	3.40	½" " "	(4-lane Div.)	"
"	"	& Interchanges	2.38	½" " "		"
"	2A-D-1	Morningside—Ponoka	.40	½" " "		"
"	2-D-2/1	N. of Hwy. 53—W. of Hobbema	9.06	½" " "	(4-lane Div.)	"
"	"	& Interchange	1.89	½" " "		"
"	2-D-2/2	W. of Hobbema—S. of Hwy. 19	8.56	½" " "	(4-lane Div.)	"
"	"	& Interchanges	2.01	½" " "		"
"	2-D-3/1	S. of Hwy. 19—W. of Millet	9.48	½" " "	(4-lane Div.)	"
"	"	& Interchanges	3.98	½" " "		"
"	2-D-3/2	W. of Millet—S. of Leduc	12.34	½" " "	(4-lane Div.)	"
"	"	& Interchanges	4.89	½" " "		"
"	2-D-3	Leduc—Nisku	.40	½" " "		"
T777F	12-C-1	E. of Alix—E. of Nevis	6.00	½" " "		"
T775S	14-A, B-1, 2 & 3	W. of Holden—N .of Chauvin	95.69	½" " "		"
"	14-C-1	Ryley—E. of Ryley	2.30	½" " "		"
T775L	16-C-2	Kapasiwin Intersection (Hwy. 16 & 30)	.80	¼" " "		"
T775X	21-A-1 & 2	S. of Three Hills—Jct. Hwy. 12	60.64	½" " "		"
T777A	21-B-1	Jct. Hwy. 12—Bashaw	17.15	½" " "		"
T775V	21-B-2 & 3	Bashaw—Hay Lakes	48.00	½" " "		"
T775W	41-A-2	Vermilion—Jct. Hwy. 45	20.84	½" " "		"
T775Y	42-A	Penhold—Jct. Hwy. 21	27.38	½" " "		"
T775U	53-B	Jct. Hwy. 2A —W. of Ponoka	3.04	½" " "		"
T776Z	60-A	" " 16 —Devon	1.65	¼" " "		"
		TOTAL	353.78 Miles			

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

STABILIZED BASE COURSE AND ASPHALTIC SURFACING — SUMMARY

STABILIZED GRAVEL BASE COURSE

By Contract	94.20 Miles
By D.O.H.	63.18 "
TOTAL	157.38 Miles

CEMENT STABILIZED BASE COURSE (Soil)

By Contract	101.71 Miles
By D.O.H.	—
TOTAL	101.71 Miles

CEMENT STABILIZED BASE COURSE (Gravel)

By Contract	15.90 Miles
By D.O.H.	—
TOTAL	15.90 Miles

SOIL ASPHALT BASE COURSE

By Contract	— Miles
By D.O.H.	7.03 "
TOTAL	7.03 Miles

ASPHALTIC PLANT MIX SURFACE COURSE

By Contract	254.34 Miles
By D.O.H.	50.22 "
TOTAL	304.56 Miles

ASPHALTIC SEAL COAT

By Contract	— Miles
By D.O.H.	353.78 "
TOTAL	353.78 Miles

SUMMARY OF MATERIALS

First Course Gravel Surfacing	312,304	Cubic Yards
Subgrade Backfill Material	59,450	" "
Stabilized Base Course Gravel	2,583,341	Tons
Cement Stabilized Base Course (Gravel)	272,041	"
" " " " (Sand)	688,589	"
Soil-Asphalt Stabilized Base Course	1,513	"
Asphalt Stabilized Base Course Gravel (On Cement Stabilized)	389,201	"
" Surfacing Gravel	1,142,770	"
Seal Coat (Aggregate ½" Chips)	53,317	Cubic Yards
Granular Supply for Culverts	39,033	" "
Total Asphalt Used	22,826,663	Gallons
" Cement Used	56,616	Tons

TOTAL GRAVEL AND SAND MATERIAL REMOVED FROM PITS

Gravel to Road	2,352,251 Cubic Yards
" to Stockpile	1,005,576 " "
Sand to Road	600,089 " "
TOTAL	3,957,916 Cubic Yards

PROTECTION AT RAILWAY CROSSINGS AT GRADE

Highway	Location	Railway	Type of Protection
28	Namao	N.A.R.	Flashing Light Signals & Bell
41	Sharrow	C.P.R.	" " " "
56	S. of Stettler	C.N.R.	" " " "

GOVERNMENT OF THE PROVINCE OF ALBERTA

DEPARTMENT OF HIGHWAYS

MAIN HIGHWAYS CONSTRUCTION

Statement of Expenditure for the year ended March 31, 1968

JOB NUMBER	HIGHWAY	LOCATION	TOTAL	ENGINEERING	RIGHT-OF-WAY	GRADING	DRAINAGE & INSTALLATION	BASES	SURFACE COURSES & PAVEMENTS	MISCELLANEOUS CONSTRUCTION	HIGHWAYS TESTING & RESEARCH	TRAFFIC SAFETY & ROADSIDE DEVELOPMENTS	RENTALS EQUIPMENT & SUPPLIES	CAMP & BOARD COSTS
			$	$	$	$	$	$	$	$	$	$	$	$
T776A	Al-B-1	Intersection Improv. Hwys. 1 & 43:109	83,691.72	11,146.51	2,262.58	16,865.15	240.27	32,833.01	18,862.89	76.81		61.85		1,342.65
T775J	Al-B-3/2A	Intersection Improv. Hwys. 1 & 9	30,228.50	4,120.66		7,026.72	3.30	8,455.88	10,609.60			12.34		
T778C	Al-C-1/2 & 1/3	West of Bowness-West of Cochrane Int.	24,969.98	1,763.55	600.00	1,219.50			20,661.96					724.97
T757L	Al-C-1/3	West of Cochrane Int.-Stony Indian Res.	377,432.00	59,575.49	24,038.92	86,483.61	2,926.36	199,618.54	2,508.14	1,569.66		711.28		
T777H	" " "	" " " " " " "	81,905.04	10,305.66					71,599.38					
T775K	Al-C-2/3	East of Bow River-Banff Park Bdry.	1,168,245.61	82,711.36	65,915.56	879,906.74	102,750.01	34,565.93	353.46			2,002.55	40.00	
T777V	" " "	Three Sisters Interchange (East of Canmore)	22,603.53	22,603.53										
T777T	2-A-2	Fort Macleod - Cardston	40,984.00	2,828.84		23.89		784.96	34,925.39					2,420.92
T775C	"	South of Belly River - North of Waterton River	196,927.74	12,404.44	7,720.74	7,987.45	100.19	166,381.75	482.48	337.61		29.24		1,483.84
T773M	2-B-2 & 3	High River Interchange at Hwy 2 & 23	780,837.96	57,479.36	13,258.82	363,564.62	28,390.20	153,943.93	157,251.44	3,307.12	32.96	3,609.51		
T769X	2-B-3	Inter. at Jcts. Hwys. 2 & 2A - South of DeWinton	17,937.75	17,937.75										
T777N	2-C-1	Calgary-Airdrie	30,417.83	29,968.79	449.04									
T772M	2-C-3	Int. at Jct. Hwys. 2 & PR 105 at Bowden	10,424.42	9,971.67	450.00						2.75			
T774H	2-D-1/4-2/1-3/2	North of Morningside - South of Leduc	102,389.54	8,194.96					93,113.66			1,075.78		5.14
T775T	" " "	" " " " "	175,458.40	4,179.88					168,860.42					2,418.10
T771N	2-D-2/2 & 3/1	West of Hobbema-South of Pipestone Creek	147,944.51	17,025.08	767.80				130,096.42		6.59	48.62		
T777L	2-D-3	South of Nisku-South of Ellerslie	22,841.62	22,894.42										52.80 Cr.
T775R	"	South of Ellerslie-Edmonton	547,622.84	46,589.72	123,465.45	258,743.60	8,758.06	83,555.01			839.63	9.11	20,716.61	4,945.65
T777Q	"	South of Nisku-Edmonton	367,350.98	9,660.12	292.85	6,122.29		230,916.35	114,741.26				35.00	5,583.11
T761X	2-E-1	South of Morinville-South of Legal	75,472.24	90.70	59,606.97	10,373.62		5,124.10	276.85					
T774L	"	St. Albert-South of Legal	274,279.50	15,108.68	125.00	991.46	3,267.97	1,143.47	247,278.23	279.75	4,560.89	1,524.05		
T775M	2-E-1 & 2	South of Legal-South of Vimy	1,183,244.27	61,634.86	178,554.70	300,153.49	30,807.86	601,535.31	8,876.15	649.40	1,008.10	24.40		
T773S	2-E-2	South of Legal-Clyde Corner	22,702.80	8,287.80	14,415.00									
T777U	"	South of Vimy-Clyde Corner	22,391.03	159.03	22,232.00									
T775Z	2-E-3	North of Perryvale-Athabasca	541,473.75	23,567.77		1,174.62		514,263.54	2,393.42			24.40	50.00	
T777J	2-F-1	West of Athabasca-North of Island Lake	35,043.25	35,043.25										
T774K	2-F-3	South of Hondo-Athabasca River	80,812.29	8,642.20	1,143.48			68,524.93	2,499.98		1,70			
T774V	"	Athabasca River-Slave Lake	74,304.88	8,164.00	21.50	992.02			65,127.36					
T776E	2-G-1	West of Kinuso-West of Faust	445,735.07	28,414.38	3,033.69	360,872.64	8,477.76		27,165.48	2,071.74	247.50	604.76	14,847.12	
T773R	"	West of Faust-West of Joussard	115,839.40	17,296.18	4,843.65	90,410.07					17.60		3,271.90	
T777D	"	East of Joussard-West of Joussard	124,992.92	8,560.73		109,586.77	1,892.70		4,695.82	256.90				
T767W	2-G-1 & 2	West of Joussard - West of Enilda	34,344.39	5,812.70	5,939.97	16,334.97	1,274.10		4,309.59	673.06				
T774R	2-G-3	West of Triangle-Jct. Hwy. 34	430,414.80	20,711.71		413.20			409,263.53		26.36			
T776N	2-G-4	East of Peace River-Peace River Bridge	918,801.53	87,950.86	28,321.13	738,107.09	58,390.56		2,653.39	1,100.00	1,916.50	313.79	48.21	
T758V	2-G-4 & H-1	Peace River Hill	143,621.60	11,569.24	127,456.58	4,595.78								
T776Q	3-A-2	East of Taber-Purple Springs	16,381.08	15,287.08	1,094.00									
T763U	3-A-2 & 3	West of Barnwell-East of Taber	996,059.98	84,521.69	167,830.51	302,844.57	71,672.53	323,161.47	33,120.48	12,162.00	2.25	644.48	100.00	
T777Y	3-B-1	Monarch-East of Coalhurst	19,406.96	19,377.57							29.39			
T768D	"	East of Coalhurst-Oldman River	34,661.43	300.40	8,968.31	208.36	24,396.12	719.86	68.38					
T776S	"	East of Coalhurst-Lethbridge	429,311.71	32,307.83	3,271.50	4,452.90		87,670.35	301,500.76		52.75	55.62		
T773Q	"	Lethbridge-Oldman River	365,691.32	37,217.44	713.00	173,896.27	136,262.70	50.36		16,028.84	280.00	742.71	500.00	
T777Z	3-B-2 & 3	West of Macleod - West of Cowley	27,063.55	1,643.98					24,085.78					1,333.79
T768M	3-B-3	West of Cowley-West of Lundbreck Falls	461,837.63	38,727.33	9,856.15	191,756.81	20,496.60	198,152.69	584.45	1,000.00		1,263.60		
T776T	5-A-1	North of Welling-Magrath	369,387.44	28,186.67	17,634.13	183,393.54	32,272.97	89,168.58	64.83			1,109.78	17,551.94	5.00
T776Y	7-A	Curves East of Black Diamond	64,208.86	10,998.53				62.04	49,809.15		32.96	1,621.02		1,685.16
T772Q	9-A-1	Jct. Hwy. 1 - South of Beiseker	416,498.97	27,846.30	123.72	7,712.41	427.66	14,142.91	358,880.49		46.13	173.93		7,145.42
T778F	"	" " " " " "	187.17	187.17										
T773K	9-C-2	Oyen Corner-Saskatchewan Bdry.	470,226.40	18,290.98					450,845.42		334.83		755.17	
T777M	11-B	Rocky Mtn. House - Jct. PR 102	11,533.89	11,533.89										
T774A	11-C-1 & 2	Windy Point-South of Cline River	826,543.30	42,344.96		753,291,93	29,597.15		103.54	796.95	1,121.65			712.88 Cr.

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STABILIZED GRAVEL B

By Contract
By D.O.H.

CEMENT STABILIZED B

By Contract
By D.O.H.

ASPHALTIC PLANT MI

By Contract
By D.O.H.

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Subgrade Backfill Mat
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Gravel to Road
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41	Sharrow
56	S. of S

Page - 2 - Main Highways Construction
Cont'd. Statement of Expenditure for the year ended March 31, 1968

JOB NUMBER	HIGHWAYS	LOCATION	TOTAL	ENGINEERING	RIGHT-OF-WAY	GRADING	DRAINAGE & INSTALLATION	BASES	SURFACE COURSES & PAVEMENTS	MISCELLANEOUS CONSTRUCTION	HIGHWAYS TESTING & RESEARCH	TRAFFIC SAFETY & ROADSIDE DEVELOPMENTS	RENTALS EQUIPMENT & SUPPLIES	CAMP & BOARD COSTS
			$	$	$	$	$	$	$	$	$	$	$	$
T774C	12-A	East of Monitor - East of Kirriemuir	454,953.15	52,742.75	41,163.67	283,718.89	31,371.82		44,371.53	1,247.80		336.69		
T777F	12-C-1	East of Alix - East of Nevis	14,484.90	1,111.57	4,700.00				8,332.26					341.07
T774M	"	West of Alix - Stettler	445,138.89	30,857.37	1,122.29	60.00	3,016.56	637.04	405,894.66	3,330.00	138.42	82.55		
T774D	12-D-2	Nugent - South of Winfield	583,481.77	42,997.34	32,242.72	438,804.26	17,865.94		50,517.60	1,053.91				
T775P	13-B-4	Wetaskiwin - Camrose	53,463.65	1,682.70					51,809.18			18.27		46.50 Cr.
T776G	"	Jct. Hwy. 2A - Camrose	76,970.01	47,540.44	28,811.88						617.69			
T777X	14-A	Ribstone Creek Revision	26,960.01	15,645.01		11,315.00								
T775S	14-A & 14-B-1 & 2	Holden - North of Chauvin	255,218.08	9,360.99	250.00				244,441.64					1,165.45
T765H	14-C-3	Edmonton-West Bdry. Salisbury Interchange	970,011.17	60,344.51	130,061.49	557,105.94	197,892.86	9,471.12	2,302.43	6,403.50	416.75	6,012.57		
T777R	15-A-1	Edmonton-Jct. Hwy. 37	392.52	98.32		43.80		250.40						
T773U	"	Edmonton - East of Jct. Hwy. 37	7,848.35	4,884.98	2,852.23				111.14					
T776D	15-A-2	Mundare-Jct. Hwy. 16	23,107.46	235.45					22,872.01					
T768Q	16-A-1	West of Kitscoty - Lloydminster	696,610.78	58,957.13	23,819.09	35,331.06	4,111.33	569,627.03	3,766.49	989.50		9.15		
T776C	16-B-1	Chipman Corner - East of Mundare	293,281.69	13,224.12					280,050.98		6.59			
T767X	"	East of Mundare - Vegreville	1,856.25	22.45	1,833.80									
T769E	16-B-2	Clover Bar - West of Bremner Interchange	196,026.39	18,172.39	177,804.00							50.00		
T752U	"	Interchange Hwys 16 & 55 at Bremner	1,042,603.39	47,667.91	142,946.39	412,657.31	44,167.75	387,604.88	971.21	1,424.52		5,163.42		
T771X	"	East of Jct. Hwy. 55 - West of Elk Island Park	860,110.35	25,937.47	12,420.43	284,264.98	26,659.17	506,423.05		2,172.19	1,472.00	761.06		
T764F	"	East of Bremner Corner-Elk Island Park Entrance	61,409.42		61,409.42									
T774E	"	West of Elk Island Park-East Bdry. Elk Island Park	28,411.63	2,216.18	22,628.14	311.32		75.00			13.18	1,116.79		2,051.02
T774X	"	West of Elk Island Park-East of Elk Island Park Entrance	2,286,516.51	81,981.10	13,886.53	781,395.03	185,318.84	1,218,005.28		2,406.84	2,190.25	994.29		338.35
T775L	16-C-2	East of Seba Beach Corner - Magnolia underpass including Improv. at 16 & 30	345,425.70	26,292.25	5,530.37	14,390.89	1,253.05	41,296.81	236,455.41	20,048.07	59.35	99.50		
T769G	"	Magnolia Underpass - Entwistle	690,544.30	36,178.99	11,395.17	325,226.24	24,558.24	286,828.84	5,582.60	595.35	142.27	36.60		
T768X	17-A-1	North of Blackfoot Creek-North of Battle River	60,479.47	14,523.51	10,081.94	13,880.56	14,227.54		7,765.92					
T765G	17-B	Lloydminster-Jct. Hwy. 45	225,684.23		160.00	225,524.23								
T775N	18-A-2	Camp Creek - Ft. Assiniboine	1,334.00		1,334.00									
T776H	19-A-2	West of Battle Lake - Jct. Hwy. 12	430,657.96	19,121.59	25.00	199.56		411,305.31			6.50			
T775X	21-A-1 & 2	Three Hills - Jct. Hwy. 12	132,233.61	3,076.79					126,147.85		3.00	898.55		2,107.42
T774Z	21-B-1	Jct. Hwy. 12-Bashaw	305,842.23	12,208.32		9,402.43		6,528.68	277,610.61		92.19			
T777A	"	" " " "	16,952.67	905.76					15,245.14					801.77
T775V	21-B-2 & 3	Bashaw - Hay Lakes	87,255.10	1,290.31	4,500.00				80,736.52					728.27
T775E	21-C	West of Rockyford - Jct. Hwy. 9	477,853.22	26,852.01	189.00	45.15		434,596.78	16,080.47		1.65	88.16		
T776U	22-A	South of Midnapore-Priddis Corner	326,197.59	23,194.84	318.43	47.66	396.43	296,810.92	625.57		1.25	87.10		4,715.39
T776P	"	Priddis Corner - Turner Valley	18,624.82	10,388.81					8,233.61			2.40		
T776V	"	Turner Valley-Black Diamond	46,280.83	1,049.22				6,315.35	38,814.78					101.48
T776X	"	" " " "	131,571.54	10,379.85	156.84	268.01	29.65	11,860.95	105,896.11		72.54	552.82		2,354.77
T776W	24-A	Jct. Hwy. 1 - South of Cheadle	22,209.62	1,527.13					20,374.98			3.24		304.27
T777E	25-A	Picture Butte - Iron Springs	244,894.73	17,479.53	56.00	4,155.61		220,362.94	412.50		216.44	13.06		2,198.65
T774P	26-A	Beiseker - Acme	255,062.35	33,155.34	30,353.14	165,175.15	12,300.73		12,847.47	711.00		484.15		35.37
T774Y	27-B	West of Torrington - East of Torrington	392,422.95	39,709.35	658.97	15.94	172.06	351,634.13				170.51		61.99
T763F	28-A-1	Edmonton-Namao	360,532.08	32,405.68	95,562.44	39,799.36	1,951.17	168,029.71	500.14	6,250.65	2,310.70	13,701.40		20.83
T776L	28-B-1	Int. Improvement at Hwys. 28 & 43:74	11,440.05	1,163.67	40.00	4,658.59		2,215.45	3,355.75		6.59			
T776B	28A-B-3	South of Therien - Rife	513,444.90	34,773.72				478,146.56	524.62					
T775A	28A-B-3 & C-2	Rife-West of Bonnyville	341,707.72	13,727.60					327,973.52		6.60			
T775B	28-B-3 & C-3	East of St. Edouard-North of Jct. Hwy. 41	338,428.49	17,808.31	764.00			319,856.18						
T775Q	28-C-3	North of Jct. Hwy. 41-East of Rife	9,707.51	1,041.13	8,640.00	26.38								
T769H	31	Jct. Hwy. 16-Seba Beach	79,259.63	7,727.75	2,182.91	63,396.70	4,482.81	1,201.55	267.91					
T774S	35-A-1 & 2	South of Dixonville-North of Dixonville	623,731.70	35,084.26	1,100.00			587,547.44						
T774B	36-A-2	Killam-East of Galahad	633,148.74	33,810.64	75,749.87	363,108.26	48,109.37		110,115.57	2,233.08		46.15		24.20 Cr.
T768F	36-E-1	Taber-Chin Coulee	95,207.21	9,665.72	3,589.01	45,696.23	3,585.90		31,215.85	1,454.50				
T778E	"	Chin Coulee-Jct. Hwy. 61	3,675.45	3,675.45										
T773Y	36-E-2	Jct. Hwy. 61-Warner	8,075.00	8,075.00										
T778G	36-D-1	Taber-Vauxhall	16,148.23	796.52					15,351.71					
T771Q	37-A	Jct. Hwy. 15-North of Gibbons	423,235.69	51,913.71	51,458.07	270,469.17	24,469.13		21,850.51	2,246.16	790.00	38.94		

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CEMENT STAB

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Highway

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Main Highways Construction
Statement of Expenditure for the year ended March 31, 1968

JOB NUMBER	HIGHWAYS	LOCATION	TOTAL	ENGINEERING	RIGHT-OF-WAY	GRADING	DRAINAGE & INSTALLATION	BASES	SURFACE COURSES & PAVEMENTS	MISCELLANEOUS CONSTRUCTION	HIGHWAYS TESTING & RESEARCH	TRAFFIC SAFETY & ROADSIDE DEVELOPMENTS	RENTALS EQUIPMENT & SUPPLIES	CAMP & BOARD COSTS
			$	$	$	$	$	$	$	$	$	$	$	$
T772H	39-A-2	North of Thorsby-Alsike	69,897.91	3,509.64	25.00				66,278.47		84.80			
T769M	"	Alsike-East of Norbuck	15,257.14	95.05	14,834.40	113.49	214.20							
T773G	41-A-1	East of Weeks Lake-Vermilion	416,461.35	35,863.63	90,058.65	249,997.57	25,163.87		15,127.37		24.00	226.26		
T775W	41-A-2	Vermilion - Jct. Hwy. 45	42,922.70	975.57	95.00				41,647.63					204.50
T773L	41-C-1	Jct. Hwy. 9 - Oyen	28,981.24	251.24					28,730.00					
T770T	"	Oyen - South of Acadia Valley	1,449.27	894.02	75.00	480.25								
T774W	41-C-2	South of Acadia Valley-South of Red Deer River	371,416.56	26,722.55	27,794.72	252,141.02	21,461.96		42,690.81	605.50				
T777K	41-C-4	Grade Reconstruction near Hilda	18,982.82	4,480.99		14,409.03	92.80							
T774N	41-C-5	South of Schuler-South of Chappice Lake	607,612.55	32,461.84	577.00	153.35	930.60	572,902.70			92.30	494.76		
T777G	41-D	East of Dunmore-Tothill	20,888.63	20,668.38										220.25
T773X	42-A	Penhold-Jct. Hwy. 21	27,719.10	1,537.30					24,818.07		50.84			1,312.89
T775Y	"	" " " "	81,568.89	1,429.26					77,099.68			2,407.02		632.93
T777W	43-A-1	Jct. Hwy. 16 - Onoway	25,181.25	25,181.25										
T774U	44-A-1	Westlock - North of Fawcett	540,191.51	26,830.38	631.40				510,372.92		2,356.81			
T774J	44-A-2	East of Chisholm - South of Hondo	465,589.90	19,564.68	118.62	41.06		444,845.14			1,020.40			
T773V	45-A-2	West of Hairy Hill-Two Hills	239,891.13	24,006.58	53,370.17	140,381.78	20,587.75		1,541.81			3.04		
T776R	45-A-3	East of Two Hills-East of Morecambe	380,074.60	24,948.81	424.71	243.80	22.50	352,547.81		1,817.58	69.39			
T772N	45-A-4	East of Myrnam - Jct. Hwy. 41	21,181.01	680.52	20,138.99	289.50					72.00			
T776K	46-A	South of Abee - East of Newbrook	204,067.66	18,002.50	40.00			6,156.75	179,801.28		59.34			7.79
T774T	"	East of Newbrook - North of Alpen	623,104.77	21,593.08	800.00	6,751.98	128.62	592,264.22	1,478.54	88.33				
T778A	"	North of Alpen - Boyle	71,012.38	3,687.49				39,220.57	26,542.16					1,562.16
T774G	46-B	West of Grassland-East of Atmore	384,937.07	37,151.28	33,832.00	245,337.54	28,008.37		39,861.50	207.12	58.52	459.15		21.59
T768L	47	Jct. Hwy. 16 - North of Erith	180,528.41	35,608.80	2,119.52	118,306.23	5,781.56		17,711.03	657.00	290.78		8.64	44.85
T776M	48-A-2	Jct. Hwy. 1 - Elkwater Prov. Park	866,824.07	59,557.54	902.15	21,773.46	583.37	733,888.58	28,227.78		6.50	1,285.43		20,599.26
T774Q	49-A-1	East of Girouxville - Watino	435,896.90	24,064.72	3,198.55	882.43	282.28	402,371.11	406.74		191.62			4,499.45
T776J	49-A-2	South of Belloy - South of Eaglesham	303,063.62	10,847.34					292,048.01		39.59	128.68		
T777C	53-A	C.P.R. Approach Fills at Ponoka	164,987.27	16,656.56	68,963.11	77,799.65			277.77	278.85				1,011.33
T775U	53-B	Jct. Hwy. 2A - West of Ponoka	5,340.18		340.00				4,958.79					41.39
T778H	56-A-1 & 2	Stettler - Morrin Corner	18,505.88	2,271.53					16,234.35					
T775F	57-B	Drayton Valley - West of Alsike	546,452.00	33,714.18			708.00		506,416.08	1,938.40	3,675.34			
T772J	"	Alsike - West of Alsike	74,989.24	3,203.19					71,786.05					
T776F	58-A & B	High Level - Caribou River	5,949.83	985.54			4,964.29							
T776Z	60-A	Jct. Hwy16- Devon	12,944.81	235.85	5,688.00				6,952.57					68.39
T777B	"	Devon - Jct. Hwy. 39	63,478.77	17,858.03	45,620.74									
T777P	"	" " " "	243.00		243.00									
T775D	63-A1 & 2 & B 1 & 2	South of Amesbury - Ft. McMurray	119,446.60	3,524.58		3,636.38			112,285.64					
T774F	50:04-A-1	Jct. Hwy. 46 - South of Amesbury	865,956.88	46,044.96	12,709.29	713,640.33	30,867.03		60,476.80	2,154.93		231.84		168.30 Cr.
Traffic Control and Miscellaneous Construction														
T744A	1	Saskatchewan Bdry. - Calgary	1,147.94	232.00								926.94		11.00 Cr.
T744B	"	Calgary - Banff Park Bdry.	81,950.79	5,510.49	8,827.69	3,939.51	2,911.62		918.36	494.96		57,756.05	53.92	1,538.19
T744E	1X	Jct. Hwy. 1 - Jct. Hwy. 1A	1,412.28	205.21		632.21						481.01		93.85
T744F	2	Carway - Calgary	95,177.04	4,816.99	1,100.00	143.51						87,705.95		1,410.59
T744G	"	North Lacombe - Edmonton	54,652.13	3,119.16	6,095.35	687.00			287.11		81.75	41,710.74		2,671.02
T744H	"	Edmonton - Peace River	142,263.28	3,704.41	130.47	62.16	3,295.52	345.24	22,170.36		512.13	110,999.55		1,043.44
T744J	"	Peace River - B.C. Bdry.	7,188.60	256.25	1,081.35				5,544.55			302.65	3.80	
T744K	"	Calgary - North of Lacombe	19,445.66	3,166.36	15,896.59							177.13		205.58
T744L	2A	Calgary - Edmonton	2,149.60	1,119.26	1,000.00									30.34
T744M	"	Edmonton - Peace River	11,163.97	376.69	500.00							10.563.91		276.63 Cr.
T744N	"	Peace River - B.C. Bdry.	104.88	104.88										
T744P	3	Medicine Hat - Crowsnest	294,114.89	3,548.21	17,241.00	2,583.88	2,063.90	11,596.89	420.00	3,221.41		244,360.26	25.00	9,054.34
T744Q	4	Lethbridge - Coutts	9,569.92	39.25	672.20	3.84		331.48				8,523.15		
T744R	5	Lethbridge - Waterton	930.94	157.12		19.50						754.32		
T744S	6	Pincher Station- Waterton Park Bdry.	6,177.52	179.04								5,885.88		112.60
T744T	7	Okotoks - Longview	467.93	379.49								88.44		
T744V	9	Inverlake - Alsask	7.651.73	2,764.82		402.38						4,484.53		
T744W	10	Drumheller-East Coulee	378.45						251.40			127.05		
T744X	11	Jct. Hwy. 2 - Banff Park	78,563.28	836.08		5.10		166.75	86.47		8.40	73,954.74		3,505.74
T744Y	12	Saskatchewan Bdry.-Alsike	16,400.00	930.09	2,267.49	4,685.96						8,003.11		513.35
T744Z	13	Saskatchewan Bdry.-Wetaskiwin	291.90	253.98			37.92							
T745A	14	Saskatchewan Bdry.-Edmonton	14,537.56	316.29								14,221.27		

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Main Highways Construction
Statement of Expenditure for the year ended March 31, 1968

JOB NUMBER	HIGHWAYS	LOCATION		TOTAL	ENGINEERING	RIGHT-OF-WAY	GRADING	DRAINAGE & INSTALLATION	BASES	SURFACE COURSES & PAVEMENTS	CONSTRUCTION MISCELLANEOUS	HIGHWAYS TESTING & RESEARCH	TRAFFIC SAFETY & ROADSIDE DEVELOPMENTS	RENTALS EQUIPMENT & SUPPLIES	CAMP & BOARD COSTS
				$	$	$	$	$	$	$	$	$	$	$	$
T745B	15	Edmonton - East of Mundare		24,543.47	13.52					24,433.48			96.47		
T745C	16	Saskatchewan Bdry.-Edmonton		135,275.84	1,000.67	10,844.36	27.62			162.92			119,950.71		3,289.56
T745D	"	Edmonton - Jasper Park Bdry.		106,929.47	1,444.41	57,646.00		261.05	107.80	6,731.14		11.45	40,498.80		228.82
T745E	17	North Sask. River - Dilberry Lake Prov. Park		1,406.80	1,406.80										
T745F	18	Clyde Corner - Swan Hills		26,879.99	788.33					22,094.69			3,996.97		
T745G	19	Wetaskiwin - East of Winfield		643.73	Cr. 1,155.05				497.04				1,301.74		
T745H	20	Bentley - Sylvan Lake		15,779.56	55.49					15,724.07					
T745J	21	Jct. Hwy. 9 - Jct. Hwy. 14		24,818.47	2,361.49	335.00	3,029.24		1,684.71	1,778.01			14,897.44		732.58
T745K	22	Midnapore - Black Diamond		782.03	169.64								649.79		Cr. 37.40
T745L	23	Monarch - High River		1,161.12	188.50		67.70		105.46		579.25		220.21		
T745M	24	Vulcan Corner - Jct. Hwy. 1		115.21	65.36								49.85		
T745N	25	Lethbridge - East of Little Bow River		2,662.65	178.96								2,602.49		Cr. 118.80
T745R	26	Beiseker - South Carbon		6,991.82						6,827.19			164.63		
T745Q	27	Sundre - Jct. Hwy. 21		5,622.54		172.00							5,317.19		133.35
T745R	28	Edmonton - Cold Lake		139,191.50	10,197.49	2,027.45	20,615.33	205.68	162.50	3,994.76	48.74		101,207.09	330.00	402.46
T745U	31	Jct. Hwy. 16 - Seba Beach		360.66	73.20		49.94						237.52		
T745X	34	Little Smoky River - Jct. Hwy. 2		3,807.72									3,807.72		
T745Y	35	Grimshaw - North Provincial Bdry.		7,064.43	528.29	250.00			65.52	6,220.62					
T745Z	36	St. Brides - Taber		98,472.57	12,613.59		3,716.28	1,348.85	12.35	68,414.71			12,709.99		Cr. 343.20
T746A	37	Namao - Gibbons & Jct. Hwy. 15		266.07									236.48		29.59
T746B	39	Leduc - Alsike		6,557.28	591.22		221.03			1,046.91			4,698.12		
T746C	40	Jct. Hwy. 2 - Immigrant Gap		5,972.69	736.74	36.00	1,829.10						3,353.32		17.53
T746D	41	Jct. Hwy. 28 - Jct. Hwy. 1		16,641.91	2,803.01	423.30	620.10						13,109.13		Cr. 313.63
T746E	42	Penhold - Lousana		1,423.54	111.28					1,312.26					
T746F	43	Carvel Corner - Valleyview		2,478.00		178.00							2,300.00		
T746G	44	Westlock - South of Hondo		6,606.15	1,761.36								4,500.97		343.82
T746H	45	Bruderheim - Saskatchewan Bdry.		48,965.36	1,680.18	571.06	430.50			37,836.59			8,430.19		16.84
T746J	46	Radway - Lac La Biche		15,801.51	453.43	7,055.00	114.02	370.14		774.51			6,891.22		143.19
T746K	47	Jct. Hwy. 16 - Foothills		2,145.41	37.50	12.75							2,095.16		
T746M	49	Donnelly - B.C. Bdry.		45,068.02	1,375.58	1,014.45	847.40		3,783.34	25,858.93			9,981.84		2,206.48
T746N	50	Tees - Mirror		3,383.25	9.25	231.90	3,142.10								
T746P	51	West of Bentley - West of Gilby		25.52											25.52
T746R	53	North of Bashaw - North of Rimbey		6,168.56	36.67	700.41							4,835.07		596.41
T746S	54	Innisfail - Clearwater River		250.00		250.00									
T746T	55	Bremner - Fort Saskatchewan		54.28			46.63						7.65		
T746U	56	Stettler - Morrin		62.59	4.03								58.56		
T746V	57	Entwistle - Alsike		11,032.81	311.68					788.75			9,905.37		27.01
T747C	58	High Level - Wood Buffalo Park		1,923.14	625.00	738.00				560.14					
T746X	60	Jct. Hwy. 16 - Devon		77.54									77.54		
T746Y	61	Stirling - Manyberries		31.42	13.50								17.92		
T747B	63	Jct. Hwy. 46 - Ft. McMurray		51,172.98	1,621.07	1,102.50	1,016.40	24.70		18,443.35			29,051.28		Cr. 86.32
				$ 39,308,167.87	$ 2,845,057.76	$ 2,417,204.33	$ 11,125,317.09	$ 1,358,662.00	$ 12,294,462.33	$ 7,843,548.96	$ 104,968.98	$ 27,830.46	$ 1,129,951.48	$ 58,337.31	$ 102,827.17
Administration:															
T741A		Salaries	$ 551,039.48												
T741B	File 3083 EQ	Equipment & Supplies	113,541.91												
T741C	" 3083	Head Office Admin.	112,877.48												
T741E	" 3196	Highways Testing Lab.	16,144.15												
T741F	" 3225	Benkelman Beam Testing	112,550.86												
T741G	" 3229	Special Projects - Soil Department	60,039.77												
T741H	" 3077	Gravel Research	125,724.44												
T741J	" 3083	Engineering Headquarters	240,258.99												
T741N	" 3083	Purchase of Gravel, Sand Pits	80,912.00												
T741P	" "	Rental of Stockpile sites and haul roads	11,443.94												
T741Q	" "	Rental of Railroad Spurs	74.00												
T741S	" 3083 ST	Wages-survey school	8,328.97												
T741W	" 3083	Highways Research-Research Council	57,934.13												
T741X	" "	Operators Training School	3,021.69	1,493,891.81	1,099,822.10	87,645.40	2,825.93			763.80		200,680.37	23,940.14	78,189.36	24.71
		Appropriation 1584		$ 40,802,059.68	$ 3,944,879.86	$ 2,504,849.73	$ 11,128,143.02	$ 1,358,662.00	$12,294,462.33	$ 7,844,312.76	$ 104,968.98	$ 228,510.83	1,153,891.62	$ 136,526.67	102,851.88

Memorandum re. Trans Canada Highway:
Reimbursements from April 1, 1928 - March 31, 1968 (Appropriation 2156 and 1584) $ 22,581,511.28

GOVERNMENT OF THE PROVINCE OF ALBERTA

DEPARTMENT OF HIGHWAYS

APPROACH ROADS

STATEMENT OF EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1968.

JOB NUMBER	FILE	LOCATION	TOTAL $	ENGINEERING $	RIGHT OF WAY $	GRADING $	DRAINAGE AND INSTALLATION $	BASES $	SURFACE COURSES $	MISC. CONSTRUCTION $	TRAFFIC SAFETY AND ROADSIDE DEVELOPMENT $	CAMP AND BOARD COSTS $	MATERIAL AND RENTAL ADVANCE $
T553Z	43:50	Jct. Hwy 11 - Eckville	1,732.65	39.56							1,693.09		
T554W	43:74	" " 28 - Waskatenau	17,242.58	350.94			135.31	12,828.77	3,927.56				
T553E	43:78	" " 2 - Legal	45,402.34	1,514.53		1,322.17	412.07	42,145.37		8.20			
T554S	43:83	" " 44 - Fawcett	12,167.45	1,342.16				7,398.79	3,426.50				
T552R	43:90	" " 21 - Lousana	5,996.93	567.34					4,615.21			814.38	
T553D	43:96	" " 28 - Bonnyville Beach	27,945.47						27,945.47				
T552K	43:117	" " 46 - Newbrook	14,510.79	62.43				14,448.36					
T553L	43:125	" " 2 - Kinuso	2,395.95										2,395.95
T553N	43:127	" " 49 - Girouxville	108,021.95	7,066.10	434.68			99,786.56				734.61	
T554B	43:133	" " 21 - Rockyford	163,028.26	8,709.19	105.00			149,002.71	2,527.46	2,683.90			
T554K	43:140	" " 28A - Glendon	110,543.03					110,447.82			95.21		
T554U	43:141	" " 9 - Beiseker	1,227.32			510.37			716.95				
T554Q	43:142	" " 46 - Thorhild	59,818.25	3,555.86		88.00			56,174.39				
T554T	43:143	" " 28A - Mallaig	59,128.16		921.65			58,171.08			35.43		
T554Y	43:146	" " 46 - Plamondon	7,324.44	7,324.44									
T554Z	43:147	" " 17 - Chauvin	5,335.78	5,335.78									
		APPROPRIATION 1541	$641,821.35	$35,868.33	$1,461.33	$1,920.54	$ 547.38	$494,229.46	$99,333.54	$2,692.10	$ 1,823.73	$1,548.99	$2,395.95

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

ROADS TO PROVINCIAL PARKS

Statement of Expenditure for the year ended March 31, 1968

JOB NUMBER	PROJECT	LOCATION	Total	ENGINEERING	RIGHT OF WAY	GRADING	DRAINAGE & INSTALLATION	BASES	SURFACES COURSES & PAVEMENTS	MISCELLANEOUS EXPENDITURE	TRAFFIC SAFETY AND ROADSIDE DEVELOP.	HIGHWAYS TESTING AND RESEARCH	CAMP AND BOARD COSTS	MATERIAL AND RENTAL ADVANCE
			$	$	$	$	$	$	$	$	$	$	$	$
T601K	PR 101	Jct. Hwy 25 - Park Lake	26,766.90	10,901.13	5,863.40	3,085.99	6,761.95				154.43			
T601A	" 102	" " 11 - Crimson Lake	246,373.41	16,024.93	160.65	1,425.30		211,266.32	14,386.85		307.17		2,752.19	50.00
T601B	" 104	" " 46 - Long Lake	277,110.53	20,566.57	12,468.88	204,376.92	10,327.12		18,713.99	1,264.01		33.93	9,359.11	
T601E	" 105	" " 2 - Red Lodge	10,762.51	332.82	4,285.93	943.20			1,220.89		3,846.47		133.20	
T601F	" 107	Barrhead - Thunder Lake	1,456.00	1,456.00										
T601J	" 109	Jct. Hwy 21 - Miquelon Lake	359,290.84	34,544.16	50,124.61	203,071.65	27,985.28		42,560.10	640.00	306.84	111.00	Cr. 52.80	
T601C	" 110	" " 23 - Little Bow Park	60,131.82	10,288.92	11,471.32	25,755.94	2,935.43		8,578.71	993.50	108.00			
T601L	" 115	" " 48 - Cypress Hills Park	18,101.32	1,918.35				16,182.97						
		Appropriation 1543	$999,993.33	$96,032.88	$84,374.79	$438,659.00	$ 48,009.78	$227,449.29	$85,460.54	$ 2,897.51	$ 4,722.91	$ 144.93	$12,191.70	$ 50.00

GOVERNMENT OF THE PROVINCE OF ALBERTA

DEPARTMENT OF HIGHWAYS

NORTHERN DEVELOPMENT

CONSTRUCTION BRANCH (1591 part)

Statement of Expenditure for the year ended March 31, 1968.

JOB NUMBER	HIGHWAY	LOCATION	TOTAL	ENGINEERING	RIGHT OF WAY	GRADING	DRAINAGE INSTALLATION	SURFACE COURSES & PAVEMENTS	MISC. CONSTRUCTION	HIGHWAYS TESTING & RESEARCH	TRAFFIC SAFETY AND ROADSIDE DEVELOPMENTS	MATERIAL & RENTAL ADVANCES	CAMP & BOARD COSTS
			$	$	$	$	$	$	$	$	$	$	$
T995A	ND 1	East of Montagneuse River - South of Worsley	19,354.26	17,807.67		1,069.47	477.12						
T995J	"	Gage - Hines Creek	3,053.10		3,053.10								
T995N	"	Southwest of Worsley - West of Clear River	28,593.05	26,211.64	2,232.50	130.61							18.30
T995P	"	" " " " " " " " (ID 139)	36,996.39	883.33		36,113.06							
T995S	"	Southwest of Worsley - East of Clear River	331,787.11	31,346.30	15,163.04	207,026.53	32,106.04	41,819.95	1,122.94		221.44	2,980.87	
T995V	"	East of Clear River - West of Clear River	18,308.80	18,279.37		29.43							
T995K	ND 2	High Level - Chinchaga River	18,253.83	18,236.18		17.65							
T995L	"	" " " " (ID 147)	5,677.88	44.41		5,633.47							
T995M	"	" " " " (ID 149)	68,402.39	130.57		68,271.82							
T995R	"	High Level - West of 6th Meridian	974,587.17	62,916.04		823,909.06	69,999.63	9,372.95	239.70	7,391.77	758.02		
T995Y	"	" " " " " "	179,460.48	3,002.64				176,457.84					
T995T	"	Town of Rainbow	240,503.31	26,198.04		164,611.90	6,160.55	43,532.82					
T995W	"	Chinchaga River - Comet Air Strip	144,492.66	4,037.01		140,455.65							
T995X	"	" " " " "	27,845.18	27,196.74		648.44							
T995Q	ND 3	Athabasca River - Jarvis Lake	499,546.57	61,754.39	567.03	406,044.24	5,396.39	13,627.82	1,793.78	70.50			10,292.42
T995U	"	Jarvis Lake - Wildhay River	27,525.64	25,592.29		1,441.30		492.05					
		APPROPRIATION 1591 (part)	$2,624,387.82	$323,636.62	$21,015.67	$1,855,402.63	$114,139.73	$285,303.43	$3,156.42	$7,462.27	$ 979.46	$2,980.87	$10,310.72

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

PLANNING BRANCH

M. J. Dolinsky, Chief Planning Engineer

In very broad terms, the main activities of the planning branch continue to be the collection and interpretation of travel and transportation data, physical and geographical data and the use of this information in planning and locating road facilities to serve the present and future needs and development objectives of the Province.

To keep abreast of changes in patterns and road transportation needs, as well as provide specific information and projections for location and design projects, the traffic counting program continued to expand its coverage. Two new permanent counters were established and three others converted to provide directional information. A start was made on establishing a route grouping system. Study data are analyzed and updated by means of several computer programs and new programs are being developed. In addition to continuing studies, special pedestrian studies and speed studies were conducted to establish speed limits commensurate with design and operational standards.

The 19 separate Secondary Road Study reports were analyzed in considerable detail. Resulting from this analysis, a preliminary summary report contained a summary of the data and proposals of each area, a study of administrative and functional classification of all roads, recommendations concerning development and access control and a secondary road numbering system was compiled. From this preliminary summary and study a final report "Alberta Secondary Road System" was prepared for inter-departmental use.

Determining the physical factors which must be considered in the location and design of new and the improvement of existing facilities continued at an increased level of activity. Of particular interest was the establishment of the new Photogrammetric Services Section. Two Photogrammetric Plotters were installed, each equipped with digital readout instrumentation as well as magnetic tape and on-line typewriter recording. Staff for this installation was pre-trained and began two-shift operation at the completion of installation in October of 1967. Work undertaken so far includes triangulation, contour mapping, cross-sectioning and profile readouts for new highway, bridge and interchange location studies.

The increasing application of Photogrammetry for highway and related uses has placed a new demand for skilled technicians. Top technical personnel of this branch lectured in Photogrammetry at N.A.I.T. in evening courses arranged by the Department of Education and in day courses as part of the In-Service Training Program of the Personnel Administration Office. In addition a course in photo interpretation was also conducted for personnel from this and other branches, as well as other Provincial Departments.

To provide a level of service which keeps pace with changing traffic characteristics, improvements to the existing highways are required. Functional planning of freeways, interchanges and the development of controlled access highways continued in the past year. As with the development of new highways, this involved close liaison with other government departments and planning agencies.

To protect existing and planned levels of service and development objectives, this Branch continued to review applications for subdivisions, buildings, access and pipeline crossings, issuing permits for those developments conforming with present and future highway improvements.

A continuing program of accident analysis, identification of "Accident Prone Locations" and required corrections, was continued in an effort to maintain a high level of operation efficiency and safety. Specific investigations were made of all fatal accidents and all accidents occurring in roadway construction projects. A brief report entitled "Accident Facts" is produced annually for inter-departmental use. Highway signing and illumination systems were designed for new locations and where required on the existing system.

Work continued toward developing computer programs to assist in speedy and thorough analysis of all phases of the Branch's operations. Major effort has been toward implementation of a system of earthwork highway design using output from the Photogrammetric plotters. Work also progressed toward a system to assist in geometric design of interchanges. Many existing programs have been converted from the Provincial Data Centre's 7070 to the new System 360 and work is continuing on conversion of the remainder of the programs.

A series of programs for a Highway Inventory and Sufficiency Rating have been prepared and the system is near operational. Approximately 30 percent of the inventory data have been collected from sources within the Department. When completed the system will provide a section-by-section log of pertinent highway factors and a ranking by "sufficiency", or the ability of each section of the highway to perform its function with the desired degree of comfort, safety and efficiency to the user.

Keeping pace with the continuing trend to urbanization, the Province is increasingly aware of and contributes to, the transportation needs of urban areas. In this regard the Planning Branch continued to administer agreements between the Department and the ten cities of the Province. This involves the appraisal and approval of projects and preparation of cost sharing agreements in respect to functional planning, design engineering and construction of freeways, expressways and major arterial streets.

DETAILED SUMMARY

1. Traffic Studies—	
Origin-Destination Surveys	21
Classification and Turning Movement Counts	453
Speed Studies	202
Other Special Studies	10
2. Traffic Volume Counting Programs—	
Permanent Counting Stations	55
Temporary Counting Stations	81
3. Air Photo Service—	
Line Miles of New Aerial Photography	2044
Miles of Photo Interpretation	207
4. Photogrammetric Mapping Services—	
120,000 Acres (180 Sq. Miles) of Routes were contoured and mapped.	

5. Location Studies—	
A. Continued Study on Projects	4
B. Undertook New Location Projects	6
C. Route and Reconnaissance Surveys and Control Projects Undertaken or in Progress	26
6. Functional Planning and Design—	
A. Interchanges:	
Designs Completed	18
Under Study	15
B. Project Reports:	
Completed	4
In Progress	15
C. Access Control Studies:	
Completed	3
Under Study	9

DETAILED SUMMARY (Continued)

7. **Development Applications Processed—**

Subdivisions	199
Developments	244
Utilities	1717

8. **Traffic Operations—**

Signing Systems Reviewed	50
Lighting Systems Reviewed	21
Applications for Railway Crossing Protection	23

9. **Traffic Safety Studies—**

Accident Prone Location Studies	117
Construction Accident Studies	102
Fatal Accident Studies	160

10. **Computer Services—**

Programs in Use:	
Traffic Studies	11
Accident Analysis	3
Photogrammetry	3
Locations (Survey and Design)	4
Statistics	1
Miscellaneous	8
Programs Under Development	15

11. **Drafting Services—**

Mosaic Mapping	1266 Miles
Control Section Mapping	598 "
Access Control Study Maps	152 "

Expenditures for the Year Ended March 31st, 1968

PRIMARY HIGHWAYS:

Highway No.	Description		
2	Athabasca to Hondo	$ 4,475.41	
2A	Through Okotoks	2,112.56	
11	Windy Point to Bighorn R.	13,873.35	
11	Nordegg to Rocky Mtn. House	34,832.42	
54	Red Deer R. to N. of Innisfail	3,473.34	
Park Access	Big Hill Springs Park	218.07	$ 58,985.15

DISTRICT HIGHWAYS:

Municipal Jurisdiction	Description		
County 19 and 21	North Sask. River at Myrnam	$ 5,858.30	
M.D. 44	Trans-Canada Highway to North of Cochrane	5,428.32	
I.D. 95 and 109	Edson to Whitecourt	8,287.06	19,573.68
Reconnaissance Studies and Control Survey Projects (27)			27,440.35

ADMINISTRATION:

Salaries	$359,548.12	
General Administration	32,464.03	
Drafting and Mosaics Mapping	29,408.29	
Purchase-Photogrammetric and Electronic Digitizing Equipment	61,366.50	
Photography, Mosaics and Mapping	31,151.44	
Traffic Office	11,623.56	
Classification and Turning Movement Counts	39,068.66	
Traffic and Speed Studies	5,464.92	
Pedestrian and Special Counts	7,336.61	
Origin-Destination Surveys	5,443.05	
Permanent Traffic Counts	7,454.24	
Ferry Origin-Destination Surveys	388.00	590,717.42
Appropriation 1585		$696,716.60

NORTHERN DEVELOPMENT COUNCIL PROJECTS:

I.D. 96	Hinton to Grande Prairie	$ 20,793.18	
	Appropriation 1591 (Part)		$ 20,793.18

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

BRIDGE BRANCH

BRIDGE CONSTRUCTION AND MAINTENANCE

E. J. Sanden, Chief Bridge Engineer

Expenditures on bridge construction and maintenance during 1967-68 were slightly lower than last year due mainly to the lesser expenditure required for the schedule of the Peace River Bridge project.

Construction proceeded on a total of 214 bridges and 310 large culverts in lieu of bridges. In addition, repairs were carried out on 292 structures. Of the 214 bridges 50 were in the major or semi-major category and 164 were of the standard type with precast concrete decks on timber substructures. Twenty-three of the larger bridges were on district roads and 27 were on main highways. The highway bridges included 20 grade separations for new freeways and for the improvement of safety on existing highways by elimination of at-grade intersections.

The larger bridges were built by the award of contracts pursuant to public tender. Departmental day labour bridge crews were employed to continue the bridge maintenance program, also for the construction of standard type bridges and for the reconstruction and improvement of crossings utilizing existing steel trusses. Several of the semi-major bridges were constructed by department bridge crews by reason of scheduling and access in remote locations. The efforts of three bridge crews were combined in the construction of the substructure of the Peace River Bridge.

Progress continued in the program to increase the clearances of older steel bridges on district roads by the replacement of old portals and wind bracing; 14 bridges were thus improved.

The program for construction of approach roads in relation to major bridge construction included completion of the approaches to the North Saskatchewan River Bridge at the Vinca Ferry and commencement of the approach roads to the South Saskatchewan River Bridge at the Bow Island Ferry.

CONSTRUCTION OF MAJOR BRIDGES

1. **The Peace River Bridge at Peace River town, File 75946.** The major highway bridge over the Peace River consists of steel spans of 65′-93′-95′-405′-405′-405′-300′ and 95′. Construction has proceeded on schedule. The erection of the last two long spans was essentially completed under contract and the concrete deck was placed by department crews on the previously erected spans. Completion of the bridge is scheduled for July 1968.

2. **The Belly River Bridge on Highway No. 2 at Stand Off, File 135,** consisting of 3 - 85′ prestressed concrete spans was started in October 1966 and was opened to traffic in July 1967.

3. **The Cline River Bridge on the David Thompson Highway, File 73429,** consists of welded plate cantilever girder spans of 91′-170′-114′ which were erected on a concrete substructure in 1966. During 1967 the concrete deck was placed and the bridge was opened to traffic in September 1967.

4. **The Red Deer River Bridge on Highway No. 41 near Empress, File 75701,** is a steel girder design of spans 160′-200′-200′-160′ on concrete piers resting on piles and steel caissons. Construction this year included completion of the concrete substructure and steel girder erection and placement of the concrete deck. The bridge was opened to traffic in October 1967.

5. **The North Saskatchewan River Bridge at the Vinca Ferry, File 74233,** consists of two welded plate girders of 164'-205'-205'-205'-164' spans. During 1967-68 the concrete deck was placed on the steel girders which had been erected the previous year. The bridge, replacing the Vinca and Eldorena ferries, was officially opened to traffic on October 11th, 1967.

6. **The South Saskatchewan River Bridge near Bow Island, File 7256,** consists of 5 - 132' and 2 - 122' continuous prestressed concrete girders. During 1967-68 the substructure which was started in February 1967, was completed and the precast concrete girders were erected. The bridge is scheduled for completion in the fall of 1968 and so will replace Bow Island ferry.

7. **The Chinchaga River Bridge on Zama Lake Road, File 76425,** consists of 2 - 250' steel through-truss spans on a concrete substructure on steel pile foundations. Construction by department bridge crews commenced in December 1967 and except for painting, was completed and opened for crossing of the river on March 21st, 1968.

CONSTRUCTION OF SEMI-MAJOR BRIDGES ON MAIN HIGHWAYS:

(a) River Bridges on Main Highways:

File No.	Hwy. No.	Stream	Bridge Type
* 9219	16-C-2	Sturgeon Creek	Precast concrete girder
** 348	53 A	Battle River	" " "
**76186	63	Labiche River	" " "

(b) Grade Separations on Main Highways:

File No.	Hwy. No.	Project	Bridge Type
**76382	A1-C-3	Dist. Road over Hwy. 1	Continuous steel girder
**76381	A1-C-3	Canmore Access to Hwy. 1	Steel frame
**74352	A1-C-3	Hwy. 1 over C.P.R.	Precast concrete girder
* 75054	2-B-3	Hwy. 23 over Hwy. 2	" " "
**76056	2-G-4	Hwy. 2 over Dist. Road	" " "
**76057	2-G-4	Pat's Cr. Grade Separation	Continuous steel girder
**76059	2-G-4	Hwy. 2 over N.A.R.	Precast concrete girder
* 76285	3-A-3	5th Ave. Grade Separation	Cast-in-place concrete
* 76181	3-B-1	Hwy. 3 over C.P.R. and 3-A	Continuous steel girder
* 76177	3-B-1	Hwy. 3 and Hwy. 25 Grade Separation	Precast concrete girder
* 76187	3-B-1	Hwy. 3 and Hwy. 3-A Grade Separation	Steel girder
* 76226	3-B-3	Hwy. 3 over C.P.R.	Precast concrete girder
* 76095	14-C-3	50th St. Grade Separation	" " "
**76094	14-C-3	34th St. Fly-over	" " "
**76093	14-C-3	Hwy. 14 over C.N.R.	" " "
**75935	14-C-3	76 Ave. Grade Separation	Continuous steel girder
* 75760	16-B-2	Hwy. 16 and 55 Grade Separation	Precast concrete girder
**73615	16-B-2	Hwy. 16 under C.N.R.	Steel plate girder
* 76128	31-A	Hwy. 31 over C.N.R.	Precast concrete girder
**76540	53-A	Hwy. 53 over C.P.R.	" " "

* completed in 1967/68

**started in 1967/68

CONSTRUCTION OF SEMI-MAJOR BRIDGES ON DISTRICT ROADS:

File No.	Project	Bridge Type
* 76190	Iosegun River	Steel through truss
* 76480	Belly R. Blood Indian Reserve	" " "
* 73608	Waterton R. Hillspring	" " "
* 8641	Sturgeon R. E .of Gibbons	Precast concrete girder
** 1241	Belly River Glenwood	" " "
* 70175	Yarrow Creek	Steel through truss
** 713	Dogpound Cr. W. of Didsbury	Precast concrete girder
** 1694	Blindman R. S. of Rimbey	" " "
**13625	Adam Cr. S .of Kinuso	" " "
* 73991	Eureka R. S. of Worsley	" " "
* 76396	Causeway Lac La Biche	" " "
* 2319	Vermilion R. Marwayne	Steel truss
**70534	La Biche R., Plamondon	Precast concrete girder
* 1636	Sturgeon R., Calahoo	" " "
** 6547	Strawberry Cr., Telfordville	Steel through truss
* 76818	Big Horn R., Nordegg	" " "
* 7519	Medicine R., Leedale	Steel truss
* 13400	Boyer R., Ft. Vermilion	" "
* 76138 "A"	Embarras R., Robb	" "
* 71053	Burnt R.. Rycroft	Steel through truss

* completed in 1967/68

**started in 1967/68

CONSTRUCTION OF STANDARD-TYPE BRIDGE STRUCTURES:

Type	Main Highways	District Roads
Standard Bridges	4	160
Steel Culverts	41	269
Timber Culverts	—	1
Concrete Culverts	—	1
Stock and Pedestrian Underpasses	6	—
	51	431

BRIDGE REPAIRS:

Type	Main Highways	District Roads
Major Bridges	49	61
Standard Bridges	43	96
Culverts	9	11
Bridges Painted	—	23
	101	191

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

STATEMENT OF EXPENDITURE ON MAINTENANCE AND REPLACEMENT OF BRIDGES

For the Year Ended March 31, 1968

MAINTENANCE

M.D., I.D. or County		**Total**
Head Office Supervision		$ 22,082.18
Salaries		499,602.59
Equipment		30,911.70
Sick Leave		3,833.10
Board		461.84
Cartage		10,555.61
City of Edmonton		75.50
City of Medicine Hat		48.00
County	1	89,823.70
"	2	32,514.43
"	3	66,055.46
"	4	43,940.72
"	5	28,503.67
"	6	24,223.99
"	7	241,569.12
"	8	8,734.27
"	9	39,507.81
"	10	58,609.43
"	11	30,511.75
"	12	15,993.86
"	13	41,858.60
"	14	52,517.56
"	16	62,225.87
"	17	17,518.52
"	18	31,629.81
"	19	28,380.13
"	20	42,829.77
"	21	69,207.68
"	22	19,822.34
"	23	11,205.39
"	24	31,618.93
"	25	93,073.20
"	26	45,298.39
"	27	51,022.08
"	28	84,632.21
M.D.	6	19,690.84
"	9	74,183.09
I.D.	10	4,099.39
"	11	25,332.62
M.D.	14	992.60
I.D.	22	237,302.97
M.D.	26	60,526.55
"	31	63,422.74
"	34	9,327.31
I.D.	42	29,610.17
M.D.	44	50,028.93
I.D.	46	4,020.14
M.D.	47	12,179.08

SUMMARY

Appropriation	1530	$ 499,602.59
"	1531	211,131.67
"	1532	2,400,301.73
"	1533	463,127.66
		$ 3,574,163.65

M.D., I.D. or County		**Total**
M.D.	48	$ 43,171.13
M.D.	52	17,150.48
I.D.	58	4,850.93
M.D.	61	1,193.89
"	62	4,826.58
I.D.	65	20,624.70
"	69	8,875.70
"	77	2,122.39
"	78	13,938.50
"	79	3,135.74
M.D.	82	24,896.93
"	84	23,941.25
I.D.	85	8,849.95
M.D.	87	31,664.98
"	90	49,722.51
"	92	38,139.14
I.D.	95	40,316.39
"	96	122.41
"	101	17,750.26
"	102	30,959.35
"	107	4,109.58
"	108	358.24
"	109	19,707.52
"	110	5,793.95
"	111	6,200.86
"	124	37,111.83
"	125	77,326.27
"	126	56,921.97
"	128	5,186.13
"	129	24,829.33
M.D.	130	23,732.06
I.D.	131	19,729.82
"	132	22,516.02
M.D.	133	34,234.11
I.D.	134	26,940.75
M.D.	135	26,665.50
"	136	73,184.54
I.D.	138	74,080.20
"	139	28,801.31
"	143	115.80
"	146	393.88
"	147	33,779.82
Special Areas	2	36,731.00
Special Areas	3	28,344.31
Appropriations 1530, 1531, 1532, 1533		$ 3,574,163.65

Winter Works Incentive
Programme 1532 included $ 416,583.76

Special Projects included in Appropriation 1513
D11 I.D. 110 $ 61,110.23

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

STATEMENT OF EXPENDITURE ON CONSTRUCTION OF BRIDGES

For the Year Ended March 31, 1968

CONSTRUCTION

I.D., M.D., County	Total	I.D., M.D., County	Total
Administration	$ 54,936.23	I.D. 42	$ 4,189.80
Equipment	32,505.29	M.D. 44	3,238.50
Research	40,325.32	I.D. 46	700,020.38
Sick Leave	1,859.28	M.D. 48	4,601.26
Special Areas 3	27,386.26	M.D. 62	66,045.12
County 2	27,297.54	I.D. 69	159,634.60
" 3	246,824.55	M.D. 82	28,342.70
" 6	947.38	" 84	197,587.13
" 7	185,641.92	" 90	50,161.64
" 10	10,315.48	" 92	21,676.03
" 12	111,389.28	I.D. 95	9,120.68
" 13	1,007.65	" 96	28.60
" 17	39,844.98	" 102	12,177.28
" 19	111,012.57	" 107	1,254.90
" 20	879,039.79	" 109	1,537.92
" 21	3,360.00	" 110	10,156.06
" 23	6,169.22	" 111	30,923.35
" 24	3,678.47	" 122	1,016.94
" 25	1,674.61	" 123	32,408.18
" 26	475,390.92	" 124	117,623.42
" 27	14,005.70	" 125	7,071.86
M.D. 6	195,571.41	" 126	6,698.17
" 9	181,865.16	" 131	319,215.51
I.D. 11	4,505.91	" 134	3,688.11
M.D. 14	10,905.00	M.D. 135	1,652,817.95
I.D. 22	549,288.29	I.D. 139	41,444.95
M.D. 26	60,641.84	" 147	8,460.93
M.D. 31	284,746.86		
" 34	260,316.43	Appropriation 1583	$ 7,313,595.31

Winter Works Incentive Programme (1583) included $ 603,914.54

Appropriation 1591 (part) Bridges:

I.D. 96	$ 8,886.27
* " 102	36,918.74
" 139	4,276.17
" 147	517.14
* " 149	449,141.23
	$499,739.55

*Winter Works Incentive Programme

I.D. 102	$ 36,918.74	
" 149	448,542.61	$485,461.35

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

Statement of Expenditure for the Year Ended March 31st, 1968

GRANTS TO MUNICIPALITIES FOR STRUCTURES AND ROADS

Calgary:			
Crowchild Trail		$ 2,078,874.72	
Trans-Canada Highway—University Drive Interchange		33,482.88	
Macleod Trail: 1st Street East Bridge		157,639.20	
Blackfoot Trail: 82 Ave. South-East-98 Ave. Southeast		143,904.08	
48 Ave. North—John Laurie Blvd.—Hwy 2		10,000.00	
John Laurie Blvd.:			
48 Ave. North—19 St. Northwest	75,789.81		
19 St. Northwest—Brisebois Drive	254,863.15	330,652.96	
Shaganappi Trail:			
Hwy. 1A to University Drive	1,468.67		
University Drive—Valiant Drive	17,186.65	18,655.32	
Bow Trail—Crowchild Trail—14 St. West		1,033,125.00	
Southeast By Pass—15 St. S.E. to 7th Ave. S.E.		35,567.00	$ 3,841,901.16
Edmonton:			
St. Albert Trail—125 Ave. to 137 Ave.		7,602.50	
Jasper Freeway:			
50th Street Intersection	2,097.02		
152 Street—105 Street	23,527.58	25,624.60	
West City Route:			
Glenora Interchange	912,646.03		
Mayfair Interchange	250,704.15		
111 St. 37 Ave.—40 Ave.	26,500.00	1,189,850.18	
111 Ave.: 121 St.—St. Albert Trail		12,594.76	
111 Ave.: 149 St.—153 St.		33,715.00	
137 Ave.: 56 St.—74 St.		102,603.95	
Southwest By Pass: 156 St.—70 Ave.		1,892,199.53	
Hwy. 14—Storm Sewers		211,293.73	
Hwy. 14: Salisbury Corner to within City Limits		32,646.86	
149 St.: 125 Ave.—128 Ave.		6,185.56	
Argyll Road: 76 Ave.—75 St.		56,176.63	
105 St. Bridge and Approaches between 82 Ave. and 99 Ave.		29,886.55	
Belgravia Ravine—Whitemud Road		515,443.39	4,115,823.24
Lloydminster:			
Highway 16		347,420.70	347,420.70
Lethbridge:			
Mayor Magrath Drive: 24 Ave. South—20 Ave. South		1,806.19	1,806.19
Wetaskiwin:			
40 Ave.: 56 St.—47 St.		76,555.49	76,555.49
Sylvan Lake:			
53 St.: 50 Ave. and 46 St.		73,113.59	73,113.59
Camrose:			
Highway 13		139,331.71	139,331.71

GRANTS TO MUNICIPALITIES (Continued)

Drumheller:		
Penitentiary Access Road	39,698.79	39,698.79
Red Deer:		
49 Ave. Bridge and Approaches	7,145.96	
49 Ave.: 59 St.—67 St.	61,335.30	
40th Ave. and 55th St. Hill	66,718.46	
67 St.: Hwy. 2A—64 Ave.	131,816.20	
67 St.: Hwy. 2 Interchange	34,431.84	
49 Ave.: 37 St.—45 St.	59,345.83	360,793.59
Grande Prairie:		
100 St. from 100 Ave. North—124 Ave.	3,555.54	3,555.54
Appropriation 1551		$ 9,000,000.00

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

SURVEYS AND COMPENSATION FOR LAND BRANCH

Report for the Year Ended March 31st, 1968

C. W. Youngs, Director of Surveys

SURVEYS: Field Work

Township surveys—52 miles of township subdivision were surveyed in the Fort Vermilion area at the request of the Department of Lands and Forests. 7 miles of township retracement survey and 44 miles of levels along section lines were completed.

Resource Control Surveys—A primary control survey was established in the Zama Lake to Bistcho Lake area. 6 Geodetic Surveys of Canada stations were occupied and 6 new stations were established. Observations of second order accuracy were taken at all stations and computations were made to derive geographic coordinates. The area covered by this net is approximately 25 miles by 35 miles.

City Control Surveys—The City Control Survey programme was continued and a total of 832 new Alberta Survey Control monuments were established. 16 control survey projects were undertaken in 7 urban areas. Reconnaissance and monumentation were done by the municipalities and the surveying and computations were carried out by Surveys Branch. The distribution of monuments was as follows: Edmonton—298; Calgary—209; Red Deer—124; Medicine Hat—76; Lethbridge—50; Grimshaw—36; Fairview—39.

Road Surveys—A total of 214 surveys were carried out for highway right of way and local roads in Improvement Districts. This amounts to approximately 680 miles of survey lines.

Miscellaneous Surveys—In accordance with The Alberta Surveys Act, 46 surveys were performed for other government departments and 13 miscellaneous surveys were carried out for the Department of Highways.

Inspection Surveys—Inspection surveys were conducted as required under authority of The Alberta Surveys Act to determine the validity of plans submitted for examination. Corrections were made when required in accordance with the findings of the inspection.

SURVEYS: Plan Examination

Plans of surveys performed in accordance with The Alberta Surveys Act were examined for compliance with the Act and regulations. The following is a list of plans examined, approved and submitted to the Land Titles Office for registration.

Department of Highways plans	263
Municipal District plans	228
Right-of-way plans	783
Re-establishment of corners plans	117
Townsite Subdivision plans	739
Well Location plans	176
TOTAL	2,306

MAPPING:

Cadastral: Returns of surveys of central meridians and new or restored townships were examined. Nineteen plans were compiled, drawn and printed. Two Survey Control maps at a scale of 1:500,000 covering the Rainbow Lake area were compiled, drawn and printed. Maps of the city survey control nets, at a scale of 1:25,000 were prepared covering the cities of Grande Prairie, Edmonton, Red Deer, Calgary, Lethbridge and Medicine Hat.

General: A variety of special purpose maps were made for other Departments as provided in The Alberta Surveys Act. These ranged from small scale maps for reports to 8 miles to the inch wall maps and included such items as the 1968 road map and the world map with Edmonton as centre. A programme of modification of the Federal 1:250,000 series was begun for Provincial use with three sheets being completed in the year. Evaluation and recording of geographic nomenclature was continued on behalf of the Alberta Board on Geographical Names.

COMPENSATION AND DISPOSITION OF TITLE FOR ROADWAYS:

Site titles received for custody from Department of Public Works—75.

Department of Highways titles received—103.

Expropriations for University of Alberta—30.

Notifications transferring title to abandoned roads—1,319.

Letters of abandonment of roads—350.

Vouchers covering payment of compensation for areas required for right of-way:

	Vote	No. of Vouchers	Amount
Main Highways	1584	789	$ 1,717,417.71
Maintenance	1512 & 1513	490	37,238.70
Stock Advance	D 225F	19	290,632.24
Bridges	1533	14	21,285.50
Approach Roads	1541	1	28.00
Surveys	1581	4	284.73
Northern Development	1591	1	500.00
Wayside Campsites	1588	1	14.49
TOTALS		1,319	$ 2,067,401.37

LEASES:

Thirty-eight new leases of road allowances were issued and twenty-three free leases were in effect for that portion of the Province lying north of Township Thirty-six, making a total of 462 leases in force.

Forty-five leases of sites were in effect.

REPRODUCTIONS:

511,097 square feet of ozalid printing was done on paper base and 15,842 square feet on film base.

The following is a summary of the operations of the branch described above:

Surveys requested and brought forward from 1966	756
Surveys requested during 1967	254
Surveys performed or cancelled during 1967	214
Surveys carried forward to 1968	796
Department of Highways plans examined and approved	263
Municipal District plans examined and approved	228
Right of way plans examined and approved	783
Re-establishment of corners plans examined and approved	117
Townsite Subdivision plans examined and approved	739
Well location plans examined and approved	176
Maps and drawings produced	325
Township and Settlement plans printed, restored and reprinted	19
Site titles received and recorded	103
Transfers issued covering land no longer required	1,669
Vouchers for payment of land acquired	1,319
Leases for road allowances in force	462
Leases for sites in force	45
Ozalid printing done in square feet	526,939

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS

MOTOR VEHICLES BRANCH

C. J. Kenway, Registrar

MOTOR VEHICLES REGISTRATION DIVISION:

During the fiscal year ended March 31st, 1968, a total of 745,208 vehicles were registered. This indicates an increase of 45,325 over registration for the previous year. The main area of increase again appears in passenger car registrations which are 24,314 over last year. Public service and commercial vehicles are up 10,254 while trailers have increased by 9,482.

Transfer registrations during the year totalled 123,088, change of address transactions on vehicle registrations were 89,091 and there were 18,292 licence plate exchanges from one category to another.

1967/68 Registrations were as follows:

Passenger Cars	466,458
Motor Cycles	12,899
Dealers	2,793
Registration Trailers	65,850
Public Service and Commercial Vehicles	197,208
	745,208

Public Service Vehicles:

P.S.	Freight Vehicles	6,767	
E	Freight Vehicles	4,679	
U	Freight Vehicles—Cities, Towns, Villages and Five Mile Radius	6,354	
L	Liveries and Taxi Cabs	1,227	
D.U.	Drive-Yourself	2,458	
Bus	Franchised Buses	972	
S.B.	School Buses	3,578	26,035

Commercial Vehicles:

C.V.	Business Firms (Transporting Own Goods)	21,708	
X	Miscellaneous and for Commercial Operations Cities, Towns, Villages and Five Mile Radius	43,051	
F	Farm Operations	96,693	
G	Federal, Provincial, Municipal Governments	9,426	170,878

Trailers:

P.T.	Public Service and Commercial Pole Trailers	295	295
			197,208

SAFETY DIVISION — MOTOR VEHICLE BRANCH

SAFETY MEETINGS:

Schools Visited	173	Attendance	35,797
School Boards Visited	40		
Home and School Meetings	12	Attendance	457
Public Meetings	28	Attendance	875
Car Roadeos Conducted	4		
Driver Improvement Courses Conducted			4

MOTOR VEHICLE INSPECTION (Voluntary):

Centres Visited by Four Mobile Units	47
Total Cars Tested from May 2, 1967 to October 5. 1967	22,810

HIGH SCHOOL DRIVER EDUCATION:

Schools Conducting Courses	26
Students Graduating	570
Classes Conducted by 26 Schools	34
Attendance at High School Driver Education Instructors' Course in July of 1967	30

ANNUAL STATISTICS — OPERATORS DIVISION

CENTRAL REGISTRY SECTION:

	1965	1966	1967
Registration of Encumbrances	134,501	134,455	136,554
Notices of Seizure	3,454	3,371	2,863
Searches	62,747	64,999	66,545

DRIVER EXAMINATION SECTION:

During the 1967 calendar year six new testing centres were opened—Worsley, Bashaw, Delburne, Castor, Big Valley and Innisfail. The total testing centres now stands at 95.

A total of 110,358 road tests were conducted during the year resulting in 66,068 passes and 44,290 failures.

Restricted licences were issued as follows:

Adequate glasses — 26,406
Stipulated area — 309

FINANCIAL RESPONSIBILITY SECTION:

The compilation of suspended drivers increased by 1,235 resulting in a total of 18,711.

Conviction Record:	(1966)		(1967)	
	H. T. Act	C.C.C.	H. T. Act	C.C.C.
EDMONTON	14,204	1,707	28,764	1,834
CALGARY	12,462	1,092	22,258	1,197
LETHBRIDGE	2,487	177	4,425	204
MEDICINE HAT	1,014	54	1,637	40
ALL OTHERS	23,310	1,436	41,794	1,768

OPERATORS LICENSING SECTION:

NUMBER OF LICENCES ISSUED AS OF DECEMBER 31st ,1967

Age	Male	Female	Total
14 - 15	3,213	758	3,971
16 - 19	39,434	19,099	58,533
20 - 24	67,971	41,774	109,745
25 - 34	125,631	79,402	205,033
35 - 44	111,490	64.756	176,246
45 - 54	83,456	46,426	129,882
55 - 64	56,531	22,614	79,145
65 - Over	38,843	7,789	46,632
GRAND TOTAL	526,569	282,618	809,187

BY CLASS OF LICENCE

Age	"A"	"B"	"C"	"D"	"L"	Total
14 - 15				656	3,315	3,971
16 - 19	185	1,063	3,258	32,655	21,372	58,533
20 - 24	2,837	13,419	7,769	71,826	13,894	109,745
25 - 34	5,889	40,765	14,520	133,134	10,725	205,033
35 - 44	4,543	36,107	19,781	110,170	5,645	176,246
45 - 54	3,084	19,571	23,734	80,044	3,449	129,882
55 - 64	1,276	8,887	19,724	47,512	1,746	79,145
65 - Over	175	2,175	10,457	32,922	903	46,632
Grand Total	17,989	121,987	99,243	508,919	61,049	809,187

NEW LICENCES ISSUED:

Of the 809,187 licenced drivers, 61,482 were new licences issued in the calendar year 1967.

DRIVER REVIEW BOARD:

The Board held 73 meetings during the year discussing 1,394 cases; 338 drivers were suspended following Board consideration; 234 restricted licences were issued; while 230 were placed on probation. Referrals to the Alberta Safety Council Traffic Clinic amounted to 309.

Individual driving records are maintained by the Review Board staff and during the year, 82,027 driver abstracts were issued.

THE HIGHWAY TRAFFIC BOARD

This Board is constituted under The Public Service Vehicles Act and has as its prime function the implementation of this Act. By delegation of Federal authority, it also administers the Motor Vehicle Transport Act (Statutes of Canada).

The Board is a body corporate and at the present time consists of the following personnel:

C. J. Kenway — Chairman
O. A. Griggs — Secretary
J. Pritchard — Member
G. S. Syska — Member
L. Bussard — Member

The following report covers the Board's activities for the period April 1, 1967 to March 31, 1968. During this period the Board held 48 regular meetings and 12 special meetings. In addition the Board held 16 public hearings in connection with applications for extra-provincial operating authority.

EXTRA-PROVINCIAL CARRIERS:

In its exercise of administrative powers under the Motor Vehicle Transport Act (Statutes of Canada) the Board considered a large number of applications for extra-provincial operating authority either on a renewal basis or on the basis of new applications. Of these, 614 applications were approved and operating authority certificates were granted in accordance with the following distribution:

Canadian Carriers (Excluding Alberta)

Operating Authorities Certificates Renewed		190
New Applications Processed		40
Transportation of Household Goods	99	
" " General Merchandise	12	
" " Petroleum Products	14	
" " Livestock	24	
" " Oilfield and Construction Equipment	10	
" " Specified Commodities	71	
TOTAL	230	

United States Carriers:

Operating Authorities Certificates Renewed		88
New Applications Processed		13
Transportation of Household Goods	7	
" " General Merchandise	7	
" " Fruit and Vegetable Produce	33	
" " Livestock	6	
" " Oilfield and Construction Equipment	8	
" " Specified Commodities	40	
TOTAL	101	

Alberta Carriers:

Operating Authorities Certificates Renewed		219
New Applications Processed		64
Transportation of Household Goods	29	
" " General Merchandise	40	
" " Petroleum Products	20	
" " Livestock	12	
" " Oilfield and Construction Equipment	38	
" " Lumber and Building Supplies	16	
" " Farm Machinery	10	
" " Specified Commodities	118	
TOTAL	283	

In conjunction with the foregoing the Board granted a total of 86 requests for various amendments to certificates previously issued, granted 2 reinstatements and cancelled 102 other certificates.

The Board also renewed 125 applications for Alberta Resident Plates, processed 17 new applications and issued 1,065 Resident Plates.

The identification plates herein referred to as "Alberta Resident Plates" are a special issue used as a means of readily identifying operators resident in Alberta for reciprocal agreement purposes.

RECIPROCITY:

The Province of Alberta has negotiated and maintains reciprocal arrangements as to the registration and operation of motor vehicles on international and interprovincial basis. As a consequence of this, the Board administers matters pertaining to any such arrangements in relation to public service and commercial vehicles.

At the time of this report the Province of Alberta enjoys full reciprocity with some thirty-three states of the United States of America plus partial reciprocities with three other states.

Full reciprocity arrangements are held with the following states:

ALASKA
ARKANSAS
CALIFORNIA
CONNECTICUT
DELAWARE
DISTRICT OF COLUMBIA
FLORIDA
ILLINOIS
IOWA
INDIANA
KANSAS
LOUISIANA
MASSACHUSETTS
MINNESOTA
MISSOURI
MONTANA
NEBRASKA
NEW HAMPSHIRE
NEW JERSEY
NEW YORK
KENTUCKY
NORTH CAROLINA
OHIO
OREGON
OKLAHOMA
PENNSYLVANIA
RHODE ISLAND
SOUTH DAKOTA
TEXAS
WEST VIRGINIA
WYOMING
WISCONSIN
WASHINGTON

Partial or limited reciprocity is in effect with:

IDAHO
NORTH DAKOTA
UTAH

In relations with other Canadian Provinces, Alberta has reciprocal arrangements of one type or another with six Provinces and the North-West Territories. The Provinces participating in reciprocal arrangements are as follows:

MANITOBA — Canadian Model Agreement Signed
ONTARIO — Canadian Model Agreement Signed
PRINCE EDWARD ISLAND — Full Reciprocity
QUEBEC — Full reciprocity on household goods and natural products of Farm or Forest only, no other
SASKATCHEWAN — Canadian Model Agreement Signed
NOVA SCOTIA — Full reciprocity on household goods
NORTHWEST TERRITORIES — Partial fee

In conjunction with the foregoing, the following permits were issued for the year ended March 31st, 1968:

(a) Single Trip Operating Authority Permits	1,718
(b) Motor Vehicle Reciprocity Permits	7,358
(c) Special Permits for Foreign Buses	37

During the course of the year, the Board issued a number of overload and overdimensional permits in accordance with the following schedule:

PERMITS EDMONTON BRANCH:

Overload Permits	9,951
Building Permits	2,121
Miscellaneous Permits	12,221

PERMITS CALGARY BRANCH:

Overload Permits	3,023
Building Permits	194
Miscellaneous Permits	5,086

PERMITS OTHER BRANCHES:

Overload Permits	135
Building Permits	125
Miscellaneous Permits	1,655

The Board also issued 474 special permits to school bus operators transporting children and groups to various functions in the Province.

In connection with overload permits, the following revenue was received:

Edmonton Branch	$323,160.00
Calgary Branch	107,306.00
Other Branches	7,711.00
TOTAL	$438,177.00

In conjunction with overload permits, the Board maintained 217 overload permit accounts with 851 companies or individuals filing insurance policies as a prerequisite to the issuance of overload and overdimensional permits.

The Board also issued, during the course of the year, 26 Board Orders and 49 Road Ban Orders. With respect to the Road Ban Orders, the Board advertised each over some 20 radio stations as a convenience to the public, at a total cost of $40,585.77.

INTRA-PROVINCIAL CARRIERS:

(a) NEW BUS ROUTE CERTIFICATES GRANTED:

Frank Dachyshyn	Redwater to 10 mi. South of Redwater
Ed Elkin	Red Deer to Ski Hill

(b) DISCONTINUED SERVICE:

Charles Bannerman	Olds to Sundre
Frank Dachyshyn	Redwater to 10 mi. South of Redwater

(c) TRANSFER OF BUS ROUTE CERTIFICATES:

Charles Bannerman	to Walter Berkley (Olds to Sundre)
Capital City Sight-Seeing Tours	to International Utilities (3 routes)
Canadian Coachways	to " " (16 routes)
Sunburst Motor Coaches	to " " (14 routes)
Blue Goose Lines	to " " (2 routes)
Northland Arrow	to " " (2 routes)
Blue Goose Lines Ltd.	to Western Bus Lines (Edmonton to Namao Airport)
Northland Bus Lines	to Western Bus Lines (Edmonton to St. Albert)
Ken's Transfer Ltd.	to Diversified Equipment (Ft. McMurray to Ft. McMurray airbase)

(d) BUS ROUTE CERTIFICATES IN EFFECT AS OF MARCH 31, 1967:

Name of Bus Operator	From	To
Charles Bannerman	Olds	Sundre
Blue Goose Lines Ltd.	Edmonton	Namao Airbase
" " " "	"	Lac La Biche
" " " "	"	Ft. McMurray
Branch Lines Ltd.	Edson	Cadomin
Brewster Transport	Jasper	Mt. Robson
Cardinal Coach Lines Ltd.	Rimbey	Gas Plant
" " " "	Pincher Creek	Drywood Gas Plant
" " " "	Sightseeing Routes	
" " " "	Stettler	Nevis
" " " "	Calgary	Turner Valley
" " " "	Pincher Creek	Shell Oil Gas Plant
" " " "	Calgary	Airdrie Gas Plant

Name of Bus Operator	**From**	**To**
Cardinal Coach Lines Ltd.	Calgary	Maffei Farm
" " " "	"	Happy Valley Recreation Centre
Capital City Sight-Seeing Tours	Sightseeing within Edmonton	
" " " "	Edmonton	Alberta Game Farm
" " " "	"	Big Island Resort
Canadian Coachways Ltd.	Fort Vermilion	La Crete
" " "	Alberta Beach	Hillcrest Corner
" " "	Edmonton	Drayton Valley
" " "	"	Northwest Territories
" " "	Rimbey	Red Deer
" " "	Edmonton	B.C. Border at Bay Tree
" " "	"	Grande Prairie
" " "	Peace River	Ft. Vermilion
" " "	Edmonton	Alta./B.C. Border at Demmitt
" " "	"	Whitecourt
" " "	"	Athabasca
" " "	"	Rimbey
" " "	Fairview	Hines Creek
" " "	Edmonton	High Prairie
" " "	B.C. border	Town of Jasper
Canadian Coachways Ltd.	Valleyview	Peace River
" " "	Edmonton	Lodgepole
Calgary Gray Lines Ltd.	Sightseeing within Calgary	
Diversified Equipment	Edmonton	Fort Saskatchewan
" "	"	Wabamun
Frank Dachyshyn	Redwater	10 mi. South Redwater
Dicken Bus Lines	Coleman	Crowsnest
" " "	Bellevue	"
Diamond Bus Lines	Edmonton	Edmonton East and Industrial Area
" " "	"	Sherwood Park
City of Edmonton	City Limits	Canadian Chemical Co. Ltd.
Ed Elkin	Red Deer	Ski Hill
Joseph Fortunaso	Bellevue	Sentinel
Greyhound Lines	Calgary	Waterton Lakes
" "	"	Walsh
" "	"	Banff Park Gates
" "	Edmonton	Jasper Park Gate
" "	Calgary	Waterton Lakes
" "	"	Banff Park Gate on Hwys. 1A & 1
" "	Calgary	Lethbridge
" "	Fort Macleod	Walsh
" "	Calgary	Medicine Hat
" "	"	Crowsnest (Pincher Creek)
" "	"	" on Hwys. 2 and 3
" "	"	" on Hwys. 2, 2A and 3
" "	"	Lethbridge
" "	"	Coutts
" "	Edmonton	Calgary on Hwys. 2, 2A and 2
" "	"	" on Hwy. 2
Greyhound Lines	Edmonton	Hinton
" "	"	Lloydminster on Hwy. 15
" "	"	" on Hwy. 16
" "	Fort Macleod	Taber
" "	Edmonton	Vegreville
" "	Medicine Hat	Fort Macleod
" "	Fort Macleod	Coutts
" "	" "	Lethbridge
" "	" "	Calgary
" "	Calgary	Alsask
" "	"	Taber
Glacier Park Transport	Chief Mountain	Waterton Lakes Town
W. J. Harrison	Calgary	Spy Hill Jail
" " "	"	Baker Memorial Sanatorium

Name of Bus Operator	From	To
Handy Cabs Ltd.	Within the City of Calgary	
A. Kotyshyn	Two Hills	Duvernay
Lloyd's Rollercade Ltd.	Within the City of Calgary	
Ken's Transfer	Fort McMurray	Fort McMurray Airport
" "	" "	Mildred Lake
Lethbridge Northern Bus Lines	Fort Macleod	Cardston
" " " "	Lethbridge	Waterton Park Gate
" " " "	"	Picture Butte
" " " "	"	Sightseeing Tours
" " " "	"	Turin
" " " "	Hillcrest	Coleman Vicary Creek Mine
" " " "	Fort Macleod	Lethbridge
Mike's Bus Lines	Drumheller	Nacmine
" " "	"	Midland
" " "	"	East Coulee
" " "	Drumheller	Federal Penitentiary
" " "	"	Riverview Park
Tony Merkle	Taber	Vauxhall
Northland Arrow Lines Ltd.	Edmonton	St. Albert
" " " "	"	Barrhead
" " " "	"	Swan Hills
Oilfield Technical Assisters Ltd.	Swan Hills	House Mountain
Prairie School Bus (1961) Ltd.	Red Deer	Penhold Airport
T. Van Wert o/a Redcliff Bus Lines	Redcliff	Medicine Hat
Sunburst Motor Coaches	Edmonton	Stettler
" " "	Stettler	Calgary
" " "	Consort	Red Deer
" " "	Rocky Mountain House	" "
" " "	Edmonton	Elk Point
" " "	"	Sask. Border at Hwy. 13
" " "	"	Hardisty
" " "	"	Cold Lake on Hwy. 28
" " "	"	Marwayne
" " "	Camrose	Alix
" " "	Edmonton	Cold Lake on Hwys. 28 and 28A
" " "	"	Chauvin
" " "	Camrose	Alliance
" " "	Edmonton	Camrose
United Imperial Cabs Limited	City of Calgary	McCall International Airport
Windfall Employees Co-op Association Limited	Whitecourt	Windfall
Western Bus Lines Ltd.	Edmonton	International Airport
Yellow Cab Limited	"	Nisku Airport

ACTUAL MILES TRAVELLED:

Gravel or Dirt Highways	Paved Highways	Total
1,184,272	10,299,646	11,483,918

PASSENGER MILES TRAVELLED:

Gravel or Dirt Highways	Paved Highways	Total
38,159,482	362,635,805	400,795,287

During the year, approximately 2,435,584 passengers were carried.

MVB 34

ANNUAL REPORT OF MOTOR VEHICLE TRAFFIC ACCIDENTS

DEPARTMENT OF HIGHWAYS 19 67

ALBERTA

NUMBER OF ACCIDENTS

	NATURE OF ACCIDENT			
	Fatal	Non-fatal injury	Property damage only	Total
1. By Month of Occurrence:				
January	22	300	3061	3383
February	19	352	2855	3226
March	17	407	3301	3725
April	25	368	2307	2700
May	27	507	2035	2569
June	28	598	2464	3090
July	36	658	2724	3418
August	30	672	2444	3146
September	48	627	2620	3295
October	45	634	3038	3717
November	32	557	3223	3812
December	27	554	4788	5369
Not stated		8	58	66
Total	356	6242	34918	41516
2. By Day of Occurrence:				
Sunday	70	988	4358	5416
Monday	24	678	4075	4777
Tuesday	43	672	4175	4890
Wednesday	43	737	4439	5219
Thursday	35	752	4593	5380
Friday	51	1027	6196	7274
Saturday	89	1384	7041	8514
Not stated	1	4	41	46
Total	356	6242	34918	41516
3. By Hour of Occurrence:				
12 to 1 A.M.	27	363	1501	1891
1 to 2 A.M.	18	249	849	1116
2 to 3 A.M.	10	189	635	834
3 to 4 A.M.	13	103	366	482
4 to 5 A.M.	6	92	268	366
5 to 6 A.M.	5	43	181	229
6 to 7 A.M.	4	43	270	317
7 to 8 A.M.	6	134	1288	1428
8 to 9 A.M.	9	180	1446	1635
9 to 10 A.M.	6	131	1019	1156
10 to 11 A.M.	11	170	1161	1342
11 to 12 A.M.	13	223	1552	1788
12 to 1 P.M.	5	251	1609	1865
1 to 2 P.M.	13	243	1698	1954
2 to 3 P.M.	11	291	1771	2073
3 to 4 P.M.	20	353	2177	2550
4 to 5 P.M.	23	468	3171	3662
5 to 6 P.M.	19	515	3008	3542
6 to 7 P.M.	24	417	2032	2473
7 to 8 P.M.	25	464	2154	2643
8 to 9 P.M.	15	347	1773	2135
9 to 10 P.M.	27	301	1545	1873
10 to 11 P.M.	14	290	1451	1755
11 to 12 P.M.	28	362	1677	2067
Not stated	4	20	316	340
Total	356	6242	34918	41516
4. By Light Condition:				
Daylight	155	3264	20070	23489
Dawn	6	64	417	487
Dusk	14	268	1535	1817
Dark	180	2637	12517	15334
Not stated	1	9	379	389
Total	356	6242	34918	41516
5. By Type of Accident:				
Urban –				
Pedestrian	30	725		755
Other motor vehicle	33	1859	23386	25278
Horse-drawn vehicle		1	16	17
Railroad train	2	15	53	70
Street car / trolley coach	1	3	68	72
Bicycle		139	4	143
Motorcycle	5	203	109	317
Other vehicles	3	48	378	429
Animal		4	29	33
Fixed object	10	419	2665	3094
Non-collision	5	113	230	348
Miscellaneous	7	150	1288	1445
Total	96	3679	28226	32001
Rural –				
Pedestrian	33	49		82
Other motor vehicle	100	970	2431	3501
Horse-drawn vehicle		3		3
Railroad train	6	16	15	37
Bicycle	4	7	1	12
Motorcycle	2	28	2	32
Other vehicles	5	80	123	208
Animal	2	55	959	1016
Fixed object	32	311	984	1327
Non-collision	69	879	1677	2625
Miscellaneous	7	165	500	672
Total	260	2563	6692	9515
GRAND TOTAL (Urban + Rural)	356	6242	34918	41516
6. By Road Location:				
Urban –				
Street intersection:				
– with traffic light	10	583	4115	4708
– with police control		7	65	72
– stop signs or flashing light	15	781	4590	5386
– warning, slow signs, etc.	6	212	1365	1583
– no traffic control	7	364	2747	3118
Between street intersections:				
Intersection of private driveway and street or road	3	110	1213	1326
Straight road	29	857	7434	8320
Curve	10	170	834	1014
Hill	2	43	373	418
Railway crossing – automatic signal	2	18	64	84
– gates or watchman		4	10	14
– no control		10	40	50
On bridge	1	42	267	310
On ferry or dock		3	30	33
Not stated	11	475	5079	5565
Total	96	3679	28226	32001
Rural –				
Road intersection – with traffic control	19	210	320	549
– no traffic control	21	169	354	544
Intersection of private driveway and street or road	5	71	251	327
Straight road	155	1482	3949	5586
Curve	32	382	1076	1490
Hill	18	142	458	618
Railway crossing – automatic signal	2	4	9	15
– gates or watchman				
– no control	4	14	21	39
On bridge	3	27	77	107
On ferry or dock				
Not stated	1	62	177	240
Total	260	2563	6692	9515
GRAND TOTAL (Urban + Rural)	356	6242	34918	41516

NUMBER OF VICTIMS

	YEARS										
19. By Age Groups and Type of Accident:	0-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65 and over	Not stated	Total
Killed –											
Pedestrian	6	9	3	5	5	6	8	9	10	2	63
Other motor vehicle	3	6	23	42	25	23	23	20	18	1	184
Horse-drawn vehicle											
Railroad train		1	1		4		3		2		11
Street car/trolley coach							1				1
Bicycle		4									4
Motorcycle			6	1							7
Other vehicles			2	1		1	1	1	4		10
Animal			1		1						2
Fixed object	1		9	22	3	2	4	3	2		46
Non-collision		2	16	15	13	15	6	6	10		83
Miscellaneous	3	2	2		2	2	1		2	1	15
Total	13	24	63	86	53	49	47	39	48	4	426
Injured –											
Pedestrian	92	289	104	48	54	57	54	52	71	26	847
Other motor vehicle	171	337	897	880	802	637	523	386	258	137	5028
Horse-drawn vehicle			1	1	1			2		1	6
Railroad train		2	7	7	3	7	6	4	3	4	43
Street car/trolley coach			1			1			1		3
Bicycle	5	134	11	2	1	2	1	1	1	1	159
Motorcycle	1	47	183	25	9	4	2			6	277
Other vehicles	6	23	43	37	43	32	34	21	16	11	266
Animal	3	3	9	23	17	7	5	4	3	4	78
Fixed object	4	38	300	290	184	93	69	32	34	37	1081
Non-collision	22	90	524	356	247	144	103	56	45	27	1614
Miscellaneous	14	49	124	74	78	55	33	17	14	18	476
Total	318	1012	2204	1743	1439	1039	830	575	446	272	9878

	YEARS										
20. By Age Groups and Sex:	0-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65 and over	Not stated	Total
Killed –											
Male	5	19	53	70	44	35	32	28	30	3	319
Female	7	5	10	16	9	14	15	11	18	1	106
Not stated	1										1
Total	13	24	63	86	53	49	47	39	48	4	426
Injured –											
Male	176	576	1435	1235	990	648	471	299	263	169	6262
Female	130	422	748	495	445	385	353	271	181	94	3524
Not stated	12	14	21	13	4	6	6	5	2	9	92
Total	318	1012	2204	1743	1439	1039	830	575	446	272	9878

NUMBER OF ACCIDENTS – Continued

	NATURE OF ACCIDENT			
	Fatal	Non-fatal injury	Property damage only	Total
9. By Type of Road:				
Earth	12	136	965	1113
Gravel	120	1374	6074	7568
Paved	222	4706	27375	32303
Not stated	2	26	504	532
Total	356	6242	34918	41516
10. By Weather Condition:				
Urban –				
Clear	64	2496	18209	20769
Cloudy	26	872	6901	7799
Fog or mist		11	115	126
Smoke or dust	1	5	74	80
Rain	2	119	811	932
Snow or sleet	3	151	1634	1788
Not stated		25	482	507
Total	96	3679	28226	32001
Rural –				
Clear	181	1836	4662	6679
Cloudy	54	390	961	1405
Fog or mist	4	48	116	168
Smoke or dust	6	56	110	172
Rain	4	76	209	289
Snow or sleet	10	152	622	784
Not stated	1	5	12	18
Total	260	2563	6692	9515
GRAND TOTAL (Urban + Rural)	356	6242	34918	41516
11. By Place of Occurrence:				
Urban –				
Metropolitan roads and streets	76	3208	25345	28629
Urban areas (10,000 population and over)	17	412	2450	2879
Other urban (1,000 to 9,999 population)	3	59	431	493
Total	96	3679	28226	32001
Rural –				
Primary highways	165	1541	3427	5133
Secondary highways	55	508	1520	2083
Local and other roads	40	514	1745	2299
Total	260	2563	6692	9515
GRAND TOTAL (Urban + Rural)	356	6242	34918	41516

NUMBER OF VEHICLES

	NATURE OF ACCIDENT			
	Fatal	Non-fatal injury	Property damage only	Total
22. By Type of Vehicle:				
Passenger	360	7579	51713	59652
Truck	144	1654	8743	10541
Bus	5	72	465	542
Motorcycle	9	361	165	535
Other	19	219	406	644
Not stated	20	477	1179	1676
Total	557	10362	62671	73590
23. By Condition of Vehicle:				
Apparently good	408	9038	56896	66342
Brakes defective	9	100	468	577
Steering mechanism defective	2	31	118	151
Puncture or blowout	5	69	167	241
Glaring headlights		2	2	4
Headlights – dim		3	10	13
– out (both lights)	1	7	24	32
– out (one light)	2	9	14	25
Tail light out or obscured	3	23	62	88
Other defects	6	69	205	280
Not stated	121	1011	4705	5837
Total	557	10362	62671	73590
24. By Direction of Travel:				
Going straight	394	6970	33975	41339
Turning left	39	965	6817	7821
Turning right	15	362	3808	4185
Slowing down or stopping		277	2520	2797
Backing	7	76	2548	2631
Skidding or swerving	38	283	1322	1643
Making U turn	2	15	130	147
Parked or stopped	30	891	9330	10251
Other	6	71	457	534
Not stated	26	452	1764	2242
Total	557	10362	62671	73590

NUMBER OF DRIVERS

	NATURE OF ACCIDENT			
	Fatal	Non-fatal injury	Property damage only	Total
28. By Condition of Drivers:				
Urban –				
Apparently normal	82	4745	42176	47003
Extreme fatigue		17	88	105
Physical defect – eyesight	1	18	124	143
– hearing		2	21	23
– other		9	61	70
Confused by traffic		5	83	88
Ability impaired – by drink	6	113	565	684
– other		6	32	38
Had been drinking	25	716	2816	3557
Not stated	42	894	7327	8263
Total	156	6525	53293	59974
Rural –				
Apparently normal	195	2743	7374	10312
Extreme fatigue	5	99	123	227
Physical defect – eyesight		2	9	11
– hearing		2	2	4
– other		4	3	7
Confused by traffic		6	9	15
Ability impaired – by drink	7	54	61	122
– other		3	1	4
Had been drinking	59	531	492	1082
Not stated	135	393	1304	1832
Total	401	3837	9378	13616
GRAND TOTAL (Urban + Rural)	557	10362	62671	73590
29. By Driver Action:				
No improper driving	203	5077	33462	38742
Drove off roadway	69	644	1240	1953
Did not have right-of-way	43	1206	6531	7780
Following too closely	1	188	2387	2576
On wrong side of road	40	263	831	1134
Failed to signal		19	114	133
Through street – did not stop	3	107	394	504
Speed too fast for road or traffic condition	26	368	1211	1605
Hit and run – apprehended	2	43	775	820
– not apprehended	2	29	519	550
Inattentive driving	30	845	3761	4636
Cutting in	1	21	585	607
Car ran away	4	24	351	379
Improper passing – on curve or hill		5	21	26
– on wrong side	3	6	48	57
– at intersection		20	109	129
Improper turn		21	155	176
Improperly parked	4	47	209	260
Not stated	126	1429	9968	11523
Total	557	10362	62671	73590
30. By Driving Experience:				
Under 3 months	2	132	501	635
3 to 6 months	1	102	465	568
6 to 12 months	2	134	674	810
1 to 4 years	103	2313	12373	14789
5 to 9 years	81	1813	11700	13594
10 years and over	213	4741	31859	36813
Not stated	155	1127	5099	6381
Total	557	10362	62671	73590
31. By Age Groups:				
Under 16 (driving illegally)	10	383	209	602
16-19 years	61	1514	6987	8562
20-24 "	131	2102	12507	14740
25-34 "	122	2193	14575	16890
35-44 "	84	1585	11219	12888
45-54 "	59	1141	7409	8609
55-64 "	41	671	4118	4830
65 and over	34	380	1760	2174
Not stated	15	393	3887	4295
Total	557	10362	62671	73590
32. By Sex of Driver:				
Male	491	8583	50945	60019
Female	51	1383	7690	9124
Not stated	15	396	4036	4447
Total	557	10362	62671	73590

NUMBER OF VICTIMS – Continued

17. Killed and Injured by Month of Occurrence:

	Killed	Injured	Total
January	22	456	478
February	23	531	554
March	17	612	629
April	33	576	609
May	34	785	819
June	31	943	974
July	43	1077	1120
August	45	1109	1154
September	51	1014	1065
October	56	1025	1081
November	39	899	938
December	32	841	873
NOT STATED		10	10
TOTAL	426	9878	10304

	Killed	Injured	Total
18. Killed and Injured by Place of Occurrence:			
Urban –			
Metropolitan roads and streets	76	4240	4316
Urban areas (10,000 population and over)	18	567	585
Other urban (1,000 to 9,999 population)	4	100	104
Total	98	4907	5005
Rural –			
Primary highways	209	2942	3151
Secondary highways	61	976	1037
Local and other roads	58	1053	1111
Total	328	4971	5299
GRAND TOTAL (Urban + Rural)	426	9878	10304

	CLASS OF VICTIM						
15. By Age Groups:	Driver	Passenger	Pedestrian	Bicyclist	Motor-cyclist	Other	Total
Killed –							
0- 4 years		7	6				13
5-14 "		11	9	4			24
15-19 "	25	23	3		5	7	63
20-24 "	41	29	5			11	86
25-34 "	28	19	4			2	53
35-44 "	26	17	4	1		1	49
45-54 "	24	12	8			3	47
55-64 "	20	10	9				39
65 and over	19	18	10			1	48
Not stated		1	2			1	4
Total	183	147	60	5	5	26	426
Injured –							
0- 4 years		205	91	4		18	318
5-14 "	29	490	287	142	36	28	1012
15-19 "	733	1118	98	13	189	53	2204
20-24 "	891	756	41	2	24	29	1743
25-34 "	855	508	51		8	17	1439
35-44 "	596	360	54	1	4	24	1039
45-54 "	439	330	50	2	1	8	830
55-64 "	258	254	52	1		10	575
65 and over	154	208	70	2	1	11	446
Not stated	69	159	26	1	5	12	272
Total	4024	4388	820	168	268	210	9878
16. By Sex:							
Killed –							
Male	161	90	43	4	3	18	319
Female	22	56	17	1	2	8	106
Not stated		1					1
Total	183	147	60	5	5	26	426
Injured –							
Male	3284	2045	449	130	255	99	6262
Female	732	2329	353	35	11	64	3524
Not stated	8	14	18	3	2	47	92
Total	4024	4388	820	168	268	210	9878

NUMBER OF PEDESTRIANS

	Fatal	Non-fatal injury	Total
13. Fatal and Non-Fatal Injury Accident by Pedestrian Action:			
Crossing at intersection:			
– with signal	2	99	101
– against signal	2	23	25
– no signal	5	158	163
– diagonally		10	10
Crossing between street intersections	8	157	165
Standing in safety zone		5	5
Standing on sidewalk	1	22	23
Getting on or off another vehicle		9	9
Children playing on roadway	1	29	30
At work in roadway	2	8	10
Riding or hitching on vehicle		3	3
Walking on rural highway or bridge	13	31	44
Coming from behind – parked vehicle or object	6	66	72
– moving vehicle or object		7	7
Crossing highway	11	34	45
Not stated	19	149	168
Total	70	810	880
14. Fatal and Non-Fatal Injury Accident by Condition of Pedestrian:			
Apparently normal	11	344	355
Extreme fatigue		1	1
Physical defect – eyesight		3	3
– hearing		1	1
– other		5	5
Confused by traffic		2	2
Ability impaired – by drink	1	7	8
– other			
Had been drinking	9	30	39
Not stated	49	417	466
Total	70	810	880

34. Total property damage caused $ 21,219,538.00